



INTEGRATED PEST MANAGEMENT (IPM) PLAN

District IPM Coordinator: Juan Carlos Castro Alcantara

IPM Coordinator Phone Number: (707) 490-9944

Email Address: jcastro@roselandsd.org

It is the goal of The Roseland School District to implement IPM by focusing on a long-term prevention or suppression of pests through accurate pest identification, by frequent monitoring for pest presence, by applying appropriate action levels, and by making the habitat less conducive to pests using sanitation and mechanical and physical controls. Pesticides that are effective will be used in a manner that minimizes risks to people, property, and the environment, and only after other options have been shown effective.

Our pest management objectives are to: Prevent any kind of infestation by identifying the kind of organisms that inhabit our local surroundings. Every campus in the district faces its own challenges according to the ecosystem and the proximity to neighboring businesses.

IPM TEAM

In addition to the IPM Coordinator, other individuals who are involved in purchasing, making IPM decisions, applying pesticides, and complying with the Healthy Schools Act requirements, are:

Raul Castro (Lead Custodian,) Armando Hernandez (Night Lead Custodian,) Samuel Meza (Sheppard Elementary,) Mateo Justo Gomez (Groundskeeper,) Marcelo Gamez (Roseland Elementary,) Juan Diego Contreras (Roseland Creek Elementary,) Benjamin Fonzeca (Roseland University Prep,) Antonio Aguilar (Roseland Collegiate Prep,) Francisco Macias (Roseland Elementary) and Jaime Diaz (Roseland Accelerated Middle School.)

PEST MANAGEMENT CONTRACTING

Pest management services are contracted to a licensed pest control business.

Pest Control Business name: Western Exterminator Company, Race Pest Control, GioCo Pest Control.

Prior to entering into a contract, the school district has confirmed that the pest control business understands the training requirements of the Healthy Schools Act.

PEST IDENTIFICATION, MONITORING AND INSPECTION

Pest identification is done by: Maintenance staff, morning and evening custodians, lead custodians and groundskeepers. Monitoring and inspecting for pests and conditions that lead to pest problems are done regularly by the IPM team, and results are communicated to the IPM Coordinator.

PEST AND NON-CHEMICAL MANAGEMENT PRACTICES

The school district has identified the following pest and routinely uses the following non-chemical practices to prevent pest from reaching the action level:

Mice: Remove food, Maintain good standards of cleanliness, Seal entry points and Traps (Real Kill Glue Traps.)

Flies: Traps. (Fly Rescue Trap)

Yellow jackets: Traps (Rescue Reusable Jacket Trap.)

Ants: Remove food, Seal cracks and Traps. (Terro Ant Killer.)

Roaches: Remove food, Seal cracks and Traps. (Hot Shot Roach Bait.)

CHEMICAL PEST MANAGEMENT PRACTICES

If non-chemical methods are ineffective, the school district consider pesticides only after careful monitoring indicated that they're needed according to pre-established action levels and will use pesticides that pose the least possible hazard and are effective in a manner that minimizes risks to people, property and the environment.

The Roseland School District expects the following pesticides to be applied during the year. This list includes pesticides that will be applied by maintenance staff or licensed pest control business:

Home Defense

Home Defense Max

Hot Shot Ant Roach Spider

Hot Shot Fogger

HEALTHY SCHOOL ACT

The Roseland School District complies with the notification, posting, recordkeeping, and all other requirements of the Healthy School Act. (Education Code Sections 17608-17613, 48980.3; Food and Agricultural Code Sections 13180-13188)

TRAINING

Every year school district employees who make pesticide applications receive the following training prior to pesticide use:

Pesticide specific safety training (Title 3 California code of Regulations 6724)

School IPM training course approved by the Department of Pesticide Regulation (Education Code Section 16714; Food and Agricultural Code Section 13186.5).

NOTIFICATION

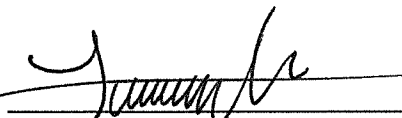
The Roseland School District had made this IPM plan publicly available by the following methods:

This IPM plan can be found online at the school's web side. This IPM plan is posted on every school site.

REVIEW

This IPM plan will be reviewed annually to ensure that the information provided is still true and correct.

I acknowledge that I have reviewed the school district IPM Plan and is true and correct.

Signature:  _____

Date: 11-17-2023

ANNUAL NOTIFICATION FORM

Dear Parent or Guardian,

The Healthy Schools Acts requires all California school districts to notify parents and guardians of pesticides we expect to apply during the year. We expect to use the following pesticides in our schools this year:

- Spectracide Weed Stop for Lawns Plus Crabgrass Killer.
- Ortho Home Defense Insect Killer for Indoor and Perimeter.
- Ortho Home Defense Max Indoor Insect Barrier.
- Hot Shot Ant, Roach and Spider Killer.
- Hot Shot Fogger with Odor Neutralizer.
- Rescue Reusable Yellow jacket Trap.
- Hot Shot Kitchen Bug Killer.
- Terro Ant Killer Liquid Ant Baits.
- Rescue Fly Trap Attractant.
- Real-Kill Large Glue Traps.
- Real-Kill Glue Traps.
- Hot Shot Ultra Liquid Roach Bait.

This is an additional list of all the cleaning chemicals and disinfectants we expect to use this year.

- Buckeye Marauder.
- Buckeye Terminator
- Oxivir Tb.
- Champion Sprayon X-it-out Vandal Mark Remover.
- Clorox Germicidal Bleach.
- Original Pine-Sol Multy-Surface Cleaner.
- Windex Glass and More Multi-Surface.
- Enz-All Professional Carpet Cleaner.
- All Fiber Rinse.

- Spectracide Weed Stop for Lawns Plus Crabgrass Killer.

Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: Spectracide® Weed Stop® for Lawns Plus Crabgrass Killer⁴**Other Means of Identification:**

EPA Registration Number 9688-337-8845

Product Code HG-96589

Formula Number HG-21-0971

Recommended Use: Selective Herbicide**Recommended Restrictions:** Use in accordance with label directions**Manufacturer/Importer/Supplier/Distributor Information:**

Company Name Spectrum Group, Division of United Industries Corporation

Address PO Box 142642

Telephone Number 1-800-917-5438

Website www.spectracide.com**Emergency Telephone Number:**

CHEMTREC (800)424-9300

Medical 1-800-917-5438

Section 2 - HAZARD(S) IDENTIFICATION

Classification of Substance or Mixture:

Physical Hazard(s)	Not classified as a physical hazard
Health Hazard(s)	Skin sensitizer - category 1
Environmental Hazard	Not classified as an environmental hazard

Label Elements:

Hazard Pictogram(s)



Signal Word

WARNING

Hazard Statements:

May cause an allergic skin reaction

Precautionary Statements:

Avoid breathing spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. If on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice. Wash contaminated clothing before reuse. Dispose of contents and container in accordance with local, regional, national and international regulations.

Hazard(s) not Otherwise Classifies (HNOC): No additional information available**Supplemental Information:** None

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS Number	%
2,4-dimethylamine salt	-	2008-39-1	0.253
Quinclorac	-	84087-01-4	0.121
Dicamba, dimethylamine salt	-	2300-66-5	0.029
Sulfentrazone	-	122836-35-5	0.0150

Section 4 - FIRST-AID MEASURES

Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin Contact:	In case of contact, wash skin with plenty of water for 15 minutes. If skin irritation or redness develops, seek medical attention.
Eye Contact:	In case of contact, flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.
Most Important Symptoms/Effects, Acute and Delayed:	Symptoms of exposure may include, irritation of eyes and nose, cough and/or shortness of breath.
Indication of Immediate Medical Attention & Special Treatment Needed:	Immediate medical attention should not be required.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Treat for surrounding material.
Unsuitable Extinguishing Media:	None known.
Specific Hazards Arising from the Chemical:	Products of combustion may include, and are not limited to: oxides of carbon.
Special Protective Equipment and Precautions for Firefighters:	Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respirator protection (SCBA).

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Methods and Materials for Containment and Cleaning Up:	Contain and/or absorb spill with inert material. Then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate personal protective equipment (PPE). Scoop up material and place in a disposable container.

Environmental Precautions: Report spills as required by local and national regulations. Prevent entry into storm sewers and waterways.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Avoid breathing mist. Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Conditions for Safe Storage, Including any Incompatibilities: Keep out of reach of children. Keep container tightly closed. (See section 10).

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2,4-D dimethylamine salt 2008-39-1	TWA: 10mg/m3 inhalable fraction	TWA: 10mg/m3	IDLH: 10 mg/m3, TWA 10 mg/m3

Appropriate Engineering Controls: Local and general ventilation

Individual Protective Measures, Such as Personal Protective Equipment:

Eye/face protection: None required for normal use. Avoid eye contact.
 Skin and body protection: Wear protective clothing to avoid skin contact.
 Respiratory protection: None required under normal use conditions.
 General hygiene considerations: Do not eat, drink or smoke where material is handled, processed or stored. Wash hands after handling.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, Opaque brown liquid
Odor: Amine type odor
Odor Threshold: No data available
pH: 6.0-10.0
Melting / Freezing Point: No data available
Initial boiling point and range: No data available
Flashpoint: No data available
Evaporation Rate: No data available
Flammability (solid, gas): No data available
Upper/lower flammability or explosive limits: No data available
Vapor pressure: No data available
Vapor density: No data available
Relative density: 1.000
Solubility(ies): No data available

Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

Section 10 - STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical stability:	Stable under normal storage conditions.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Heat. Incompatible materials.
Incompatible materials:	None known.
Hazardous decomposition products:	May include, and are not limited to oxides of carbon.

Section 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: Inhalation, Ingestion and/or skin or eye contact

Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Skin contact:	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Eye contact:	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Acute Toxicity Values:

Calculated overall Chemical Acute Toxicity Values (ATE)		
LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
>2000 mg/kg	>2000 mg/kg	>5mg/l

Eye Contact:	Based on available data, the classification criteria are not met.
Skin Contact:	Based on available data, the classification criteria are not met.
Sensitization:	Skin Sensitizer

**Chronic Effects-
Carcinogenicity:**

Ingredient	Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA)
<p>The International Agency for Research on Cancer (IARC) lists chlorophenoxy herbicides in its Group 2B (limited evidence for Carcinogenicity in humans.) The US EPA has given the chlorophenoxy Herbicides 2,4-D, 2,4-DP, MCPP, and MCPA a Class D classification (not classifiable as to human carcinogenicity.) More current 2,4-D lifetime feeding studies in rats and mice did not show carcinogenic effects and a recent World Health Organization (WHO) review of 2,4-D toxicology has concluded that 2,4-D is not a carcinogen.</p>	

Reproductive Toxicity:	Based on available data, the classification criteria are not met.
Germ Cell Mutagenicity:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

Comment:

All information was generated using the GHS classification criteria for mixtures

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	This product is not expected to be harmful to aquatic organisms
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	No data available

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local, state,/provincial and federal regulations. For more

Section 14 - TRANSPORTATION INFORMATION

DOT:	Not Regulated
IATA:	Not Regulated
IMDG:	Not Regulated

Section 15 - REGULATORY INFORMATION**US EPA Label Information:****EPA Pesticide Registration Number** 9688-337-8845**Federal Insecticide, Fungicide, Rodenticide Act Regulations**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subjected to certain labeling requirements under the federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label**CAUTION: KEEP OUT OF REACH OF CHILDREN.****Hazards to Humans and Domestic Animals**

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if swallowed. Wear long-sleeved shirt and long pants, shoes plus socks and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

First Aid: If swallowed: Call a poison control center or doctor immediate for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person. If in eyes: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center for immediate advice.

Have the product and container or label with you when calling a Poison Control Center or doctor, or going for treatment. You may also contact 1-800-917-5438 for emergency medical treatment advice.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in clam weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off the treatment area.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination. of drinking or groundwater.

EPA TSCA Inventory:

All of the components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

CERCLA Section 103:

Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center.

Chemical Name & CAS Number	Chemical RQ (lbs.)	Concentration in Product	Product RQ (lbs.)
Sodium Hydroxide CAS # 1310-73-2	1,000	<0.01%	10,000,000
Dimethyl dicamba CAS # 2300-66-5	100	<0.1%	100,000

SARA Hazard Category (311/312): See OSHA hazards listed in section 2.

SARA 313: Section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals above the de minimis levels, which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not contain chemicals regulated under California Proposition 65.

Disclaimer: Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Section 16 - OTHER INFORMATION

Issue date: April 13, 2018

Revision date: April 13, 2018

Version number: Initial

REFILL

**MONEY BACK
GUARANTEE***

**Kills Listed Weeds
NOT The Lawn***

Spectracide®

**WEED STOP®
FOR LAWNS**

Plus! CRABGRASS KILLER⁴

Herbicida para céspedes y
contra mano de cangrejo.

**Kills 470+ Weed
Types As Listed**

**Visible Results
In 5 Hours**

Kills The Root • Kills Yellow Nutsedge

For Best Results, Apply When Temperature Is Between 45°F–90°F

ACTIVE INGREDIENTS:

2,4-D, dimethylamine salt 0.252%
Quinclorac 0.121%
Dicamba, dimethylamine salt 0.025%
Sulfentrazone 0.015%
OTHER INGREDIENTS 99.582%
TOTAL 100.000%

THIS PRODUCT CONTAINS:

0.018 lb 2,4-dichlorophenoxyacetic acid equivalent per gallon or 0.210% (0.010 lb 3,7-dichloro-9-quincloracacetic acid per gallon or 0.121% (0.002 lb 3,6-dichloro-o-anisic acid equivalent per gallon or 0.024% (0.001 lb N-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl)phenyl) methanesulfonamide per gallon or 0.015%, Isomer Specific by AOAC Method.

**KEEP OUT OF REACH OF CHILDREN
CAUTION** See back booklet for additional
Precautionary Statements.

Net Contents 1.33 gal (170 fl oz / 5.03 L) **MANTENGASE FUERA DEL ALCANCE DE LOS NIÑOS**

PRECAUCIÓN

Consulte el folleto en la parte posterior para conocer
las declaraciones preventivas adicionales.

*For terms of guarantee, see back panel. 11-16200
*When used as directed.

**READY
TO USE**

para hasta que el pasto recién sembrado esté bien establecido o después del tercer corte antes de aplicar este producto.

Las zonas frías pueden volver a sembrar de tres a cuatro semanas después de la aplicación.

Algunas variedades resistentes no mueren en el plazo de tres semanas, repita el tratamiento a las zonas afectadas.

La aplicación a las céspedes tropicales cuando están emergiendo de la inactividad en la primavera puede causar daño.

La aplicación excesiva, particularmente en temperaturas por encima de 90°F, puede causar daño.

La aplicación al césped Bermudá puede causar amarillamiento temporal, pero se puede esperar una recuperación total.

La aplicación al césped Bermudá puede causar amarillamiento temporal, pero se puede esperar una recuperación total.

ALMACENAMIENTO Y ELIMINACIÓN

Almacenamiento del pesticida: Lleve la botella hasta la posición "CLOSE" (Cerrar). Para evitar derrames, coloque el rociador en la zona segura. Guarde este producto solamente en su sitio original en un lugar de almacenamiento seguro, lejos de fuentes de calor o del fuego, y en un lugar que no sea accesible a los niños y las mascotas. No permita que se congele.

Eliminación del pesticida y manipulación del envase: No tire el Rociador AccuShot. Guarde el Rociador AccuShot para usarlo con el herbicida para céspedes y contra mano de obra. Si el Rociador AccuShot no funciona, no lo repare. No vuelva a usar ni a rellenar este envase. Si está vacío, tirelo en la basura o utilícelo para limpiar, si existe esa opción. Si el envase está parcialmente vacío: Lléve a su servicio de eliminación de desechos más cercano para obtener instrucciones de eliminación. Nunca tire el producto sin usar por ningún drenaje ni a la tierra.

DECLARACIONES PREVENTIVAS

Seguridad para los seres humanos y los animales domésticos: Evite la inhalación moderada a los ojos. Evite el contacto con los ojos o la ropa. No toque si se ingiere. Use camisa de manga larga, pantalones largos, calcetines, zapatos y guantes impermeables, Use protectores para los ojos. Lávese muy bien con agua y jabón después de manipularlo y antes de comer, beber, masticar chicle, usar tabaco o usar el baño.

Primeros auxilios

Se ingiere: Lléve inmediatamente a un centro de control de envenenamientos o a un médico para recibir instrucciones de tratamiento. Si la persona puede tragar, agua que beba con o poco un vaso de agua. No induce el vómito a menos que así se lo indique un centro de control de envenenamientos o un médico. No administre nada por la boca a una persona que haya perdido el conocimiento.

Entra en contacto con los ojos: Mantenga los ojos abiertos y enjuague con agua abundantemente, con cuidado, durante 15 a 20 minutos. Si hay lentes de contacto, retírelos después de los primeros 5 minutos, luego continúe enjuagando los ojos. Lléve a un centro de control de envenenamientos para recibir instrucciones de tratamiento.

Se toca la piel: Lave inmediatamente con agua y jabón. Si el producto está en la ropa, retire la ropa inmediatamente y lávela. Si el producto está en la mano, lávela. También puede llamar al 800-917-5438 para obtener información acerca del tratamiento médico de urgencia.

Seguridad para el medio ambiente

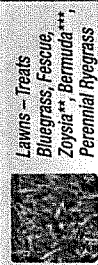
Se aplica a las plantas: El pesticida es tóxico para los peces y los invertebrados acuáticos. El antrax y el escarlatina pueden resultar peligrosos para los organismos acuáticos de las aguas cercanas al sitio de aplicación. Para proteger el medio ambiente, no permita que el pesticida entre o se escurra por drenajes, zanjas, fosos, drenaje, cunetas ni aguas superficiales. Aplicar este pesticida cuando no haya viento y no se anticipa lluvia en las siguientes 24 horas para evitar que el viento ni la lluvia arrastren o quiten el pesticida de la zona de tratamiento.

Se aplica a las mascotas: Evite que las mascotas entren en contacto con el pesticida. Evite que las mascotas beban agua de la zona de tratamiento. El uso de este producto químico en zonas de suelos resacas, particularmente donde la capa freática es poco profunda, puede ocasionar la contaminación del agua subterránea. La aplicación alrededor de un tanque de agua o un poco de contaminar el agua potable o subterránea.

Nota: Hasta el grado que sea compatible con la legislación pertinente, el comprador asume toda la responsabilidad para seguridad y uso que no estén de acuerdo con las instrucciones.

¿Tiene alguna pregunta o comentario? Llame al 1-800-917-5438.

WHERE TO USE



45°F
90°F

For best results, apply between 45°F-90°F. Above 45°F, the better the weeds will be able to absorb the product. Lawn damage could happen above 90°F.

WHEN TO USE

KILLS ALL TYPES OF LISTED BROADLEAF & GRASSY WEEDS
Including Crabgrass, Dandelion, Chickweed, Clover, & Yellow Nutsedge

Kills Listed Weeds Including Crabgrass — Not the Lawn*
*When used as directed

Kills 470+ Weed Types as Listed

Visible Results in 5 Hours

Kills by Contact

WHAT TO EXPECT



- PICTURED WEED: Plantain**
- EXPECTED VISUAL SYMPTOMS:** Leaves yellowing/browning, then curling, twisting, wilting & shriveling
- Visual symptoms and time to kill will depend on weed type, temperature and application rate.**

*Do not apply to grasses just emerging from dormancy, as they result in lawn damage.
**Application to Bermudagrass may cause temporary yellowing or discoloration, but full recovery can be expected. Do not apply to Bermudagrass when daytime temperatures exceed 90°F.
***NOTE: To be used consistent with applicable law. Buyer assumes all responsibility for safety and use not in accordance with directions.
Questions or Comments? Call 1-800-917-5438 or visit our website at www.spectracore.com

STOP
READ ENTIRE LABEL BEFORE USE.
ALTO: LEA TODA LA ETIQUETA ANTES DE USAR.

Submitted: 25 Jan 2017; Accepted: 12 Apr 2017; Published: 12 Apr 2017

YELLOW NUTSEDGE: Early summer. Two applications of this product are required when the yellow nutsedge plants are 3 to 5 inches tall. Apply the second application at the same rate at 14 days later.

BROADLEAF WEEDS:

Spring: Apply when dandelion, speedwell, knottedweed and other broadleaf weeds are young and actively growing with adequate soil moisture for best results. Fall applications will control weeds that may otherwise go dormant through the winter and resprout the following spring.

Visual symptoms and time to complete kill will depend on weed type, temperature and application rate.

HOW TO USE

HOW TO USE THE ACCUSHOT[®] SPRAYER

- [illegible]

connections are tight! • When storing sprayer for prolonged periods, remove batteries.

USE TIPS

- Some hard-to-grow weeds may require re-treatment. Wait at least 30 days between applications — some weeds can take that long to get established.
- Spray during growing season when weeds are actively growing.
- For best results, mow lawn two to three days before treating weeds.
- To avoid risk of lawn injury, do not spray drought-stressed lawns.
- Waiting immediately after treatment may wear away effectiveness.
- If lawn truly scored grasses is well established or after the first mowing before applying this product.
- If treated areas may be stressed, then wait 2 weeks before applying.
- If lawn is stressed, wait 4 weeks before applying.
- If lawn is stressed, wait 4 weeks before applying.
- Application to young lawns when they are emerging from dormancy in the spring may cause damage.
- Application, especially at 500°F or higher, may cause damage.
- Application to Bermuda grass may cause temporary yellowing, but full recovery can be expected.

STORAGE AND DISPOSAL

Pesticide Storage: Turn the nozzle to "CLOSE" position. To prevent leakage, place sprayer in holder. Store this product only in its original container in a secure storage area away from sources of heat or open flame and in an area inaccessible to children and pets. Keep from freezing.

Pesticide Disposal and Container Handling: Do not discard the AcroShot Sprayer for use on Spectracide® Weed Stop® For Lawns Plus Cabgrass Killer. Refillable container. Do not reuse or refill this container. If empty, place in trash or offer for recycling, if available. If partly filled, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

[illegible]

STOP, READ ENTIRE LABEL BEFORE USING.

DIRECTIONS FOR USE

violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not allow people or pets to enter or apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application. Do not allow people or pets to enter treated area until sprays have dried.

...allow room to drift onto

[illegible]

Apply directly to or near water, stream drains, gutters, sewers, or drainage ditches. Do not apply within 25 ft of rivers, fish ponds, lakes, streams, reservoirs, marshes, estuaries, bays, and other aquatic habitats. Do not apply to ornamentals, plants in greenhouses, or lawns.

Application to Bermudagras when daytime temperatures exceed 90°F. Do not apply to Bermudagras when daytime temperatures exceed 90°F. Do not apply to Bermudagras when daytime temperatures exceed 90°F.

WHERE TO USE

product is intended for use on residential lawns. This product should be applied only to the following species of turfgrass:

season burgrass: Kentucky bluegrass: perennial ryegrass: fescue spp., including tall, red and fine leaf fescues

season turfgrass: zoysiagrass²² Bermudagrass²³ buffalograss

Application to Bermudagrass just emerging from dormancy. Do not apply to Bermudagrass when daytime temperatures exceed 90°F. Application to Bermudagrass may cause temporary yellowing or discoloration, but full recovery can be expected.

WHEN TO USE[†]

when daytime temperatures are between 45°F and 90°F.

Spray when practical weeds are young and actively growing with adequate soil moisture for best results. Fall applications will control weeds that may otherwise go dormant through the fall and resound the following spring. For heavy grass weed pressure, apply a second application at the same rate, 14 days after the first application.

GRASS (LARGE AND SMOOTH): Spring and early summer: For best results, apply this product from crabgrass emergence until the six-leaf stage (two tillers) or when the crabgrass is in the boot stage. This period begins the first time that you can see crabgrass in your lawn. Use two applications with a 14-day interval between applications for dense populations.

Para Humanos y Domésticos Animales
RN. Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if swallowed. Wear long-sleeved shirt and long pants, shoes plus socks are waterproof gloves. Wear the eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

First Aid
wallowhead. Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.
eyes held eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center for treatment advice.
3 the product container or label with you when calling a Poison Control Center or doctor, or going for treatment. You may also contact 1-800-917-5439 for emergency medical information.

Environmental Hazards
estické is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. To protect the environment, do not allow the product to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help prevent drift. Do not apply if rain, sleet, or snow is falling or is predicted within 2 hours. Do not apply if wind or rain does not blow or rain predicted off the treatment area.
hermal has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the table is shallow, may result in groundwater contamination. Application around a cistem or well may result in contamination of drinking water or groundwater.

ALTO. LEA TODA LA ETIQUETA ANTES DE USAR.

MODO DE EMPLEO

insórtela una vódsición a la ley federal usar este producto de una manera que no sea la indicada en la etiqueta.

Indicaciones y restricciones

Apique este producto de modo que entre en contacto con cualquier persona o mascota, ya sea directamente o por arrastre. Mantenga a las personas y las mascotas fuera de la zona de la aplicación. No permite que las personas o las mascotas entren en la zona tratada hasta que los rocos se hayan secado.
mita el arrastre del rocos sobre plantas desahiles ya que puede provocarlas dañes. No apique como neblia fina por la posibilidad de causar daños a las plantas desahiles. No lo apique en la zona viento. No trate cuando la temperatura del aire sea superior a 91°F, porque se puede dañar el césped. No use, en céspedes que contengan agrosos, pasto San Agustín, grass, cereales o césped alfombra. No use en chicondra, en céspedes con tréboles o legumbres, desahiles, hortalizas, frutas o plantas ornamentales. No apique más de dos veces por año. Debe esperar por lo menos dos semanas entre aplicaciones.

aplique directamente el envase de agua, drenajes pluviales, cisternas, alcantarillas y zanjas de drenaje. No lo apique en una franja de 25 pies de ríos, estuarios de peces, lagos, arroyos, hars, pantanos, estuarios, humiles y ríosanos. Para evitar el escurrimiento del producto, no fregue en arresca la zona o zonas tratadas hasta el punto de escurrimiento, ni lo apique cuando o el río que se espere lluvia. Evaseque el aplicador sobre el césped solamente.

La aplicación al césped Bermuda puede causar amantamiento o descoloración temporal, pero se puede esperar una recuperación total. No apique al césped Bermuda cuando las plantas dumas sean superiores a los 91°F. No apique al césped Espora recien saliendo de hibernación, ya que puede causar daño al césped.

DÓNDE USAR

producción está diseñado para uso en céspedes residenciales. Este producto se debe aplicar únicamente a las siguientes especies de césped:
el de clima frío: pasto azul de Kentucky, negrosos perenne, especies de festuca, incluyendo alta, roja y de hoja fina
el de clima cálido: zoysia", Bermuda", buffalograss

""La aplicación al césped Bermuda puede causar amantamiento o descoloración temporal, pero se puede esperar una recuperación total. No apique al césped Bermuda cuando las temperaturas dumas sean superiores a los 91°F.

CUÁNDO USAR

Apique cuando las temperaturas dumas se encuentren entre 65°F y 90°F.

PRIMAVERA. Para obtener mejores resultados, note cuando las malezas de hoja ancha son jóvenes y están en crecimiento activo con la humedad de suelo adecuada. Las aplicaciones en otoño contribuirán las malezas que, de otra manera, podrían pasar inactivas en invierno y volver a brotar en la primavera siguiente. Si hay muchas malezas herbosas, haga una segunda aplicación con la misma dosis. 14 días después de la primera aplicación.

MAIO DE CANGREJO GRANDE Y SUMER: Primavera y principios del verano: Para obtener mejores resultados, apique este producto desde la emergencia del cacho mano de cangrejo hasta la etapa de seis hojas (dos rólivos) o antes de que el pasto mayo de cangrejo tenga 16 3 a 4 pulgadas de altura. Este período comienza la primera vez que usted observa mayo de cangrejo en su césped. Haga dos aplicaciones con un intervalo de 14 días entre aplicaciones del verano: Para obtener mejores resultados, apique este producto a la cola de zorro durante las etapas de crecimiento inicial o cuando la planta tenga 16 3 a 4 pulgadas de altura. Haga dos aplicaciones con la misma dosis con un intervalo de 14 días para poblaciones densas.

COLA DE ZORRO NEGRO, GIGANTE Y AMARILLAS: Primavera y principios del verano: Para obtener mejores resultados, apique este producto a la cola de zorro durante las etapas de crecimiento inicial o cuando la planta tenga 16 3 a 4 pulgadas de altura. Haga dos aplicaciones con la misma dosis con un intervalo de 14 días para poblaciones densas.

CYPERUS ESCULENTIS (JUNCA VELLANQUA): Principios del verano: Se necesitan dos aplicaciones de este producto cuando las plantas de junca vellanqua llenen de 3 a 6 pulgadas de altura. Haga dos aplicaciones con la misma dosis 14 días después.

MALEZAS DE HOJA ANCHA:

PRIMAVERA: Para obtener mejores resultados, apique cuando el diente de león, hualtín, ranunculo, verónica, poligono y otras malezas de hoja ancha son jóvenes y están en crecimiento activo con la humedad de suelo adecuada.

Otuno: Para obtener mejores resultados, apique cuando la coliga blanca, hieldra terrestre, Soliva sessilis y otras malezas de hoja ancha son jóvenes y están en crecimiento activo con la humedad de suelo adecuada. Las aplicaciones en otoño contribuirán las malezas que, de otra manera, podrían pasar inactivas en invierno y volver a brotar en la primavera siguiente.

Las señales visuales y el tiempo que tarda la eliminación completa dependerá del tipo de maleza, la temperatura y la dosis de aplicación.

COMO USAR

COMO USAR EL RODACOR ACTUOSHOT™

1. Untado hacia la zona objetivo del tratamiento, lejos de las personas y las mascotas. 2. Para una mayor precisión, extienda la varilla con la pieza que se desliza. 3. Presione el gatillo para dejar de rociar. 4. Suelte el gatillo para dejar de rociar. 5. Después de usar. 1. Cure la boquilla completamente hasta la posición CLOSE (cerrar). 2. Gire la llave del tipo de la maniguera en sentido de las manecillas del reloj hasta "CLOSE" para cerrarla. 3. Asegure la punta del rodador en el soporte. 4. Si la boquilla no se ajusta totalmente hasta la posición CLOSE (cerrar) y el rodador no se asegura adecuadamente en el soporte, pueden ocurrir derrames y daños materiales a lesiones a personas o animales. Para reemplazar las pilas: 1. Abra el compartimento de las pilas usando un destornillador. 2. Retire las pilas usadas y coloque dos pilas AA nuevas en las posiciones correctas tal como está indicado en el diagrama que se encuentra dentro del compartimiento de las pilas. Nunca coloque el extremo positivo hacia va el extremo negativo ni al revés. Cuando reemplaza las pilas, use siempre un juego completo de pilas nuevas del mismo tipo. Nunca mezcle pilas alcalinas, de carbono zinc ni pilas recargables. 3. Cierre bien la tapa del compartimento de las pilas. 4. Siga siempre las recomendaciones del fabricante sobre el uso y eliminación de las pilas.

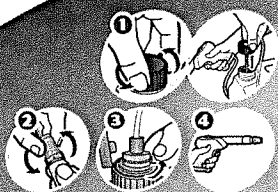
Notas adicionales sobre el funcionamiento: • No lo sumerja en agua. • Fírmese cuidadosamente el rodador antes de cada uso; asegúrese de que la maniguera sea flexible y no esté retorcida, gastaña ni rota y que todas las uniones estén ajustadas. • Cuando gaste el rodador durante períodos prolongados, retire las pilas.

CONSEJOS SOBRE EL USO

- Puede ser necesario repetir el tratamiento en algunas malezas difíciles de eliminar. Espere por lo menos 30 días entre las aplicaciones; algunas malezas pueden demorar ese tiempo en morir.
- Nunca durante la temporada de crecimiento cuando las malezas están en crecimiento activo.
- Para obtener mejores resultados, corte el césped de día a tres días antes de tratar las malezas.
- Para evitar el riesgo de causar daño al césped, no rocíe en céspedes bajo estrés hídrico.
- El riesgo inmediatamente después del tratamiento puede reducir la eficacia.
- Espere hasta que el pasto recien sembrado esté bien establecido o después del tercer corte antes de aplicar este producto.



**WEED STOP® FOR LAWNS
PLUS CRABGRASS KILLER**
Herbicide para céspedes y control manual de crabgrass



INSTRUCTIONS FOR REUSABLE ACCUSHOT® SPRAYER

1. Remove cap and replace with reusable AccuShot cap and Sprayer. Make sure sprayer cap is tightly closed before use.
 2. Twist nozzle to adjust spray from **CLOSE** to **SPRAY** or **STREAM**.
 3. Slide switch on hose plug counterclockwise to "OPEN."
 4. When priming the sprayer, hold sprayer level to the ground. Sprayer may not prime if it is held at an angle. Once primed, it will spray in any direction.
- For use with reusable AccuShot Sprayer from Spectracide® Weed Stop® For Lawns Plus Crabgrass Killer.

STORAGE AND DISPOSAL

Pesticide Storage: Turn the nozzle to "CLOSE" position. To prevent leakage, place sprayer in holster. Store this product only in its original container in a secure storage area away from sources of heat or open flame and in an area inaccessible to children and pets. Keep from freezing.

Pesticide Disposal and Container Handling: Do not discard the AccuShot Sprayer. Keep the AccuShot Sprayer for use on Spectracide® Weed Stop® For Lawns Plus Crabgrass Killer. Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling, if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if swallowed. Wear long-sleeved shirt and long pants, shoes plus socks and waterproof gloves. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

First Aid

If swallowed: Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

If in eyes: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center for treatment advice.

Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment. You may also contact 1-800-917-5438 for emergency medical treatment information.

Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

NOTICE: To the extent consistent with applicable law, buyer assumes all responsibility for safety and use not in accordance with directions.

Questions or Comments? Call 1-800-917-5438 or visit our website at www.spectracide.com

GUARANTEED RESULTS OR YOUR MONEY BACK
If you are not satisfied with this product for any reason, send your written request for a refund to the address at right, together with the original dated store receipt showing the price you paid. Please allow 6-8 weeks for processing.

PROOF OF PURCHASE

FPO UPC
0 71121 96589 9

Distributed by Spectracide Group, Division of Insect Industries Corporation
PO Box 142942, St. Louis, MO 63114-0942
EPA Reg. No. 9688-337-1845
EPA Est. No. 0688-MO-1 (U) 62596-MO-1 (AE)
EPA label is first letter of lot number.
17-16199 © 2013 IIC

- Ortho Home Defense Insect Killer for Indoor and Perimeter.



Latest revision date: 05/29/2020
Version: 1.1

United States
Safety Data Sheet

The Ortho Group
P.O. Box 190
Marysville, Ohio 43040
United States

24 h. EMERGENCY TELEPHONE NUMBER
CHEMTREC (U.S.) 1-800-424-9300
CHEMTREC (International) 1-703-527-3887
Non-Emergency Calls
1-937-644-0011

**ORTHO HOME DEFENSE INSECT KILLER FOR INDOOR & PERIMETER
REFILL2**

Section 1. Identification

GHS product identifier : ORTHO HOME DEFENSE INSECT KILLER FOR INDOOR & PERIMETER REFILL2
Product type : Pesticide
SDS # : 320000008990
EPA Registration Number: : 239-2717

Relevant identified uses of the substance or mixture and uses advised against
Use only in accordance with label directions.

Section 2. Hazards identification

This product is regulated by the Environmental Protection Agency (EPA) for label precautionary text see Section 15.

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture : ACUTE TOXICITY (oral) - Category 4
EYE IRRITATION - Category 2B

GHS label elements

Hazard pictograms :



Signal word :

Warning

Hazard statements :

Harmful if swallowed.
Causes eye irritation.

Precautionary statements

General	:	Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	:	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Response	:	IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	:	Not applicable.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.

Section 3. Composition/information on ingredients
--

Substance/mixture	:	Mixture
Chemical name	:	Not available.
Other means of identification	:	Not available.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	Causes eye irritation.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	Harmful if swallowed.

Over-exposure signs/symptoms

Eye contact	:	Adverse symptoms may include the following: irritation watering redness
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures
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Extinguishing media

Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	No specific data.
Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Occupational exposure limits

None.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Protective eyewear is not required, but may be used in situations where contact is expected.

Skin protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : No special protective clothing is required.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

- Physical state** : liquid [Emulsion]
- Color** : Translucent, hazy, not cloudy

Odor	: Little or no odor
Odor threshold	: Not available.
pH	: 4.5
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Not available.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Lower: Not available. Upper: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: Not available.
Solubility	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Dynamic: Not available. Kinematic: Not available.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
	LD50 Oral	Rat	1,500 mg/kg	-
	LC50 Inhalation	Rat	> 5 mg/l	4 h
	LD50 Dermal	Rat	> 5,000 mg/kg	-

Conclusion/Summary : No known significant effects or critical hazards.

Irritation/Corrosion

Version: 1.1

Date of issue/Date of revision: 05/29/2020

Date of previous issue: 12/03/2015

Product/ingredient name	Result	Species	Score	Exposure	Observation
	Eyes - Redness of the conjunctivae	Rabbit	2		-
	Skin - Erythema/Es char	Rabbit	1		-

Conclusion/Summary

Skin : May cause skin irritation.
Eyes : Causes eye irritation.
Respiratory : May cause respiratory irritation

Sensitization

Product/ingredient name	Route of exposure	Species	Result
	Skin	Guinea pig	Not sensitizing

Conclusion/Summary

Skin : Not sensitizing
Respiratory : No results available.

Mutagenicity

Conclusion/Summary : No known significant effects or critical hazards.

Carcinogenicity

Conclusion/Summary : No known significant effects or critical hazards.

Reproductive toxicity

Conclusion/Summary : No known significant effects or critical hazards.

Teratogenicity

Conclusion/Summary : No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential chronic health effects

Version: 1.1

Date of issue/Date of revision: 05/29/2020

Date of previous issue: 12/03/2015

Conclusion/Summary : No known significant effects or critical hazards.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Section 12. Ecological information

Toxicity

Conclusion/Summary : Not available.

Persistence and degradability

Conclusion/Summary : Not available.

Mobility in soil

Soil/water partition coefficient (KOC) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

Regulatory
information
DOT

UN no.
--

Proper shipping name
Not Regulated

Class
--

PG*
--

Note

Version: 1.1

Date of issue/Date of revision: 05/29/2020

Date of previous issue: 12/03/2015

IATA (C)	3082	Environmentally hazardous substance, liquid, n.o.s. (Bifenthrin) [Not regulated if under 5L]	9	(, III)
IATA (P)	3082	Environmentally hazardous substance, liquid, n.o.s. (Bifenthrin) [Not regulated if under 5L]	9	(, III)
IMDG	3082	Environmentally hazardous substance, liquid, n.o.s. (Bifenthrin) [Not regulated if under 5L]	9	(, III)
TDG	3082	Environmentally hazardous substance, liquid, n.o.s. (Bifenthrin) [Not regulated if under 5L]	9	(, III)

PG* : Packing group

Section 15. Regulatory information

Precautionary statements

Signal word	:	CAUTION!
Emergency Overview	:	Keep out of reach of children. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin and clothing. When using this product, wear long-sleeved shirt, long pants, socks, shoes, and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

<u>U.S. Federal regulations</u>	:	United States inventory (TSCA 8b): At least one component is not listed.
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State regulations

California Prop. 65
Not available.

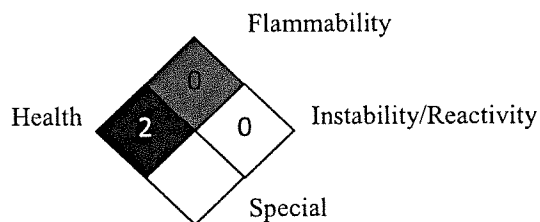
International lists

National inventory

Australia	:	At least one component is not listed.
Canada	:	At least one component is not listed.
China	:	At least one component is not listed.
Europe	:	At least one component is not listed.
Japan	:	At least one component is not listed.
Malaysia	:	Not determined.
New Zealand	:	At least one component is not listed.
Philippines	:	At least one component is not listed.
Republic of Korea	:	At least one component is not listed.
Taiwan	:	Not determined.

Section 16. Other information

National Fire Protection Association (U.S.A.):



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Procedure used to derive the classification

Classification	Justification
H302	On basis of test data
H320	On basis of test data

History

Date of issue/Date of revision : 05/29/2020
Version : 1.1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

ORTHO[®]

HOME DEFENSE[®]

INSECT KILLER

FOR INDOOR & PERIMETER₂
INSECTICIDA PARA INTERIORES Y PERIMETRAL₂

KILLS ALL COMMON HOUSEHOLD BUGS*
ELIMINA TODOS LOS INSECTOS COMUNES DEL HOGAR*

NON-STAINING • ODOR FREE • DRIES FAST
NO MANCHA • INODORO • SECA RÁPIDO

*refer to booklet for complete list of insects
FOR RESIDENTIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN

CAUTION See back panel booklet for additional precautionary statements.
MANTENER FUERA DEL ALCANCE DE LOS NIÑOS

PRECAUCIÓN Consulte el folleto del panel posterior para conocer los avisos de precaución adicionales.

Active Ingredients:	By Wt.
Bifenthrin ¹	0.0500%
Zeta-Cypermethrin ²	0.0125%
Other Ingredients:	99.9375%
Total	100.0000%

¹Cis isomers 97% min, trans isomers 3% max

²Cis/trans ratio: Max. 75% (+/-) cis and min. 25% (+/-) trans

UP TO
12
MONTH
PROTECTION[†]

PROTECCIÓN POR HASTA
12 MESES[†]

LONG LASTING BUG BARRIER

[†]FOR ANTS, ROACHES, AND SPIDERS INDOORS ON NON-POROUS SURFACES



LB7462

NET CONTENTS/CONTENIDO NETO 1 GAL/3.78L

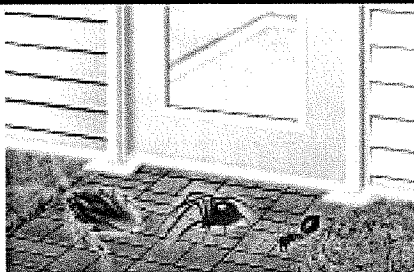


HOME DEFENSE®

INSECT KILLER FOR INDOOR & PERIMETER²

KILLS BUGS INSIDE. KEEPS BUGS OUT.*

- ⚡ Kills all common household bugs*
- 🏠 Formulated for Indoor/Outdoor Use
- 📅 Long-lasting perimeter treatment
- 🕒 Dries in minutes for quick re-entry
- 💧 Leaves no residue



People and pets may enter treated areas after spray has dried.



OPEN
Resealable
Label for
Directions &
Precautions
(Español ver
pagina 7)

WHAT IT DOES:

⚡
Kills home invading insects including ants, cockroaches, spiders, fleas, ticks, scorpions, beetles, earwigs, silverfish, centipedes, and millipedes.
(See inside for complete list)

WHERE TO USE:

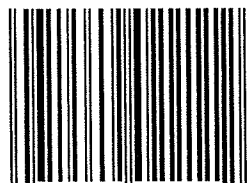
🏠
Use with confidence, Indoors (kitchens, bathrooms, doors & windows, basements) and Outdoors (perimeter foundations, garages, patios & decks) wherever insects are a recurring problem.

WHEN TO USE:

📅
Use anytime as a preventative treatment or after you see evidence of insect activity for long-lasting control.

*Refer to booklet for complete list of insects

📞 Questions or Comments
Preguntas o comentarios
1-800-225-2383 www.ortho.com



0 71549 02211 2
1004

The
ORTHO®
Guarantee

If for any reason you, the consumer, are not satisfied with this product, mail us your original proof of purchase to obtain a full refund of your purchase price.

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Sold by The ORTHO Group, PO Box 198, Marysville, OH 43040

EPA Reg. No. 239-2717

EPA Est. No. 239-1A-31-239-MS-001™, 58996-MB-17, 080652-OH-1V

Superscript is first letter of lot number.



DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Do not water the treated area to the point of run-off.
Do not make applications during the rain.

OUTDOOR APPLICATIONS INCLUDING HARD SURFACES

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

1. Treatment to soil or vegetation around structures;
2. Application to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to hard surfaces such as sidewalks, driveways, patios, porches and structural surfaces (e.g., windows, doors, and eaves) are limited to spot and crack-and-crevice applications only.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.


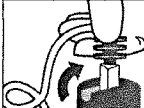
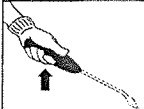
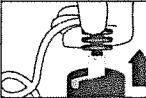
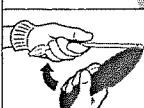

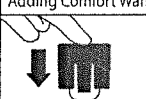
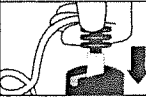
APPLICATION TO HORIZONTAL HARD SURFACES

To help prevent product from running off into sewers, storm drains, and curbside gutters, do not treat hard flat surfaces (e.g., driveways, sidewalks) unless the surface is protected from rainfall and spray from sprinklers.

APPLICATION TO VERTICAL HARD SURFACES

Pest control on outside surfaces and around buildings: Applications to hard vertical surfaces outdoors (e.g., foundations) are permitted to a maximum height of 3 feet above the ground. Sections of hard vertical surfaces that join to hard flat surfaces outdoors can only be treated if either 1) these sections are protected from rainfall and spray from sprinklers, or, 2) the hard flat surfaces they touch do not drain into a sewer, storm drain, or curbside gutter.

Perimeter treatment: For sections of foundation that join to hard flat surfaces, the treated areas must be protected from rainfall and spray from sprinklers unless those hard flat surfaces do not drain into a sewer, storm drain, or curbside gutter.

COMFORT WAND® DIRECTIONS		REFILL DIRECTIONS	
	Prep Wand <ul style="list-style-type: none">Remove sprayer wand from holster.Remove white pull strip to activate batteries.Unfold wand until it clicks into position.	How to attach Comfort Wand® to Ortho® Home Defense® Insect Killer for Indoor & Perimeter Refill:	
	Connect <ul style="list-style-type: none">Unwrap hose and insert red hose connector into spout on bottle cap <u>until it clicks</u>.Flip up spout until fully upright.	Removing Comfort Wand® from original bottle:	
	Spray <ul style="list-style-type: none">Turn sprayer nozzle to desired spray.Slide switch on trigger to "Unlock".Press trigger to spray.		<ul style="list-style-type: none">Remove the red hose connector from the original bottle by pulling the red plug from the white spout on cap.
	Finish <ul style="list-style-type: none">Turn nozzle to "OFF".Slide switch on trigger to "Lock".Fold wand closed and place sprayer back in holster.		<ul style="list-style-type: none">To remove the side holster from original bottle, pull the bottom tab underneath and slide the holster up.
		Adding Comfort Wand® to Refill:	
			<ul style="list-style-type: none">Attach the sprayer holster to refill bottle by sliding the holster down onto the knob.
			<ul style="list-style-type: none">Insert red hose connector into white spout on top <u>until it clicks</u>.
Important Use Information: Do not submerge in water. When storing sprayer for long periods, remove batteries.			
To replace batteries: See marked diagram inside battery compartment.			

KILLS

Adelgids

Eastern Sprucegall

Ants

Argentine
Carpenter
Foraging Fire Ants
Pavement
Pharaoh/Sugar
Pyramid
Red/Western Harvester

Aphids

Apple
Black Cherry
Buckhorn
Greenbug
Pea
Pecan
Rose
Rosy Apple
Walnut

Bees

Beetles

Billbugs
Black Turfgrass Ataenius
Carpet
Colorado Potato
Corn Rootworm (Adults)
Curculio (Cow Pea, Plum)
Elm Leaf
Flea
Japanese (Adults)
Lady Beetles (including Asian Lady Beetle Eggs)
Mexican Bean
Pine Chafer (grub)
Pine Shoot
Sap
Spotted Cucumber / Southern Corn Rootworm (Adults)
Striped Cucumber
Weevils (Annual Bluegrass & Black Vine)

Borers

American Plum
European Corn
Lesser Peachtree
Peachtree
Peach Twig
Southwestern Corn
Squash Vine
Stalk

Boxelder Bugs

Bristletails

Caterpillars

Alfalfa
Armyworms (Beet, Fall, Southern, True, Yellow Striped, Beet Armyworm Eggs)
Bagworms
Blueberry Spanworm
Budworms

Corn Earworm
Cutworms
Cranberry Fruitworm
Filbertworm
Green Cloverworm
Green Fruitworm
Hickory Shuckworm
Hornworms (Tobacco & Tomato)
Imported Cabbageworm
Loopers (Alfalfa, Cabbage, Celery)
Navel Orangeworm
Painted Lady
Pecan Nut Casebearer
Pickworm
Rindworm
Saltmarsh
Sod Webworms
Tent
Velvetbean

Centipedes

Chinch Bug

Hairy
Southern

Cockroaches

American/Palmetto Bug/
Waterbug
Asian
German
Oriental

Crickets

Earwigs

Firebrats

Fleas

Cat
Dog

Flies

Apple Maggot
Biting Flies
Cherry Fruit
Corn silk
European Crane (Adult)
House

Fungus Gnats

Grasshoppers

Hornets

Lace Bugs

Leaffooted Bugs

Squash Bug

Leafhoppers

Leafminers

Alder
Tentiform
Vegetable

Leafrollers

Oblique Banded
Red-Banded
Variegated
Mealybug

Midges

Millipedes

Mites

Broad
Carmine
Chigger
Clover
European Red
Pecan Scorch
Spruce
Two Spotted Spider (Adult)
Two Spotted Spider (Eggs)

Mole Crickets

Mosquitoes

Moths

Artichoke Plume
Codling
Diamondback
Gypsy

Periodical Cicada

Phylloxera

Pecan Leaf
Pecan Stem

Pillbugs & Rollie Pollies

Plant Bugs

Lygus Bug
Tarnished

Psyllids

Pear

Sawflies

European Pine
Redheaded Pine

Scales

Brown Soft
California Red
Euonymus
San Jose

Scorpions

Silverfish

Sowbugs

Spiders

Black Widow
Brown Recluse
Hobo
Wolf

Spittlebugs

Pecan

Springtails

Stink Bugs

Brown Marmorated
Kudzu

Stored Product Pests

Thrips

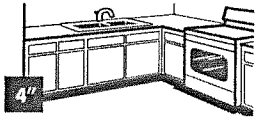
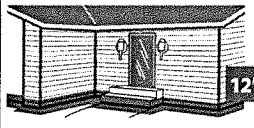

Ticks

Termites

Wasps

Whiteflies

Yellowjackets

	INDOOR SURFACES	OUTDOOR SURFACES
When to Apply	Use anytime as a preventative treatment or after you see evidence of insect activity for long-lasting control.	
Before You Apply	<ul style="list-style-type: none"> • Cover or remove exposed food (including pet food). • Cover all food processing surfaces and utensils. 	<ul style="list-style-type: none"> • Do not allow this product to contact water supplies. • Do not spray into air.
How to Apply	<ul style="list-style-type: none"> • Shake well. • Set spray nozzle to indoor setting. • Hold sprayer 12 inches from surface being sprayed. • Apply a 4-inch wide band along the interior of your home in areas where insects are a recurring problem. • Spray until slightly wet without soaking. 	<ul style="list-style-type: none"> • Shake well. • Set spray nozzle to outdoor setting. • Hold sprayer 12 inches from surface being sprayed. • Apply a 12-inch wide band along the exterior of your home in areas where insects are a recurring problem. • Spray until slightly wet without soaking. 
After You Apply 	<ul style="list-style-type: none"> • People and Pets may re-enter treated area after spray has dried. • Thoroughly wash all food processing surfaces and utensils with soap and water before reuse. • Repeat as needed. Re-treatment is recommended at least once per season (3 months) outdoors. • For long-lasting residual control leave spray undisturbed. The product will keep on killing for up to 12 months for ants, roaches, and spiders indoors on non-porous surfaces. 	
Fleas and Ticks (Including ticks that may transmit Lyme Disease)	<ul style="list-style-type: none"> • Do not spray animals. • Pets resting quarters may be treated with this product. How to Apply: Spot treat infested areas such as pets resting quarters and localized areas of floors/floor coverings (rugs, carpet, tile, vinyl & wood) where pests may be present. Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment of pet area. To control the source of flea infestation, pets inhabiting the treated premises should themselves be treated with a product registered for application to animals. 	

STORAGE AND DISPOSAL

PESTICIDE STORAGE:	Comfort Wand®: To be stored in original container and placed in areas inaccessible to children.
PESTICIDE DISPOSAL AND CONTAINER HANDLING:	<p>Comfort Wand® can be reused with Ortho® Home Defense® Insect Killer for Indoor and Perimeter Refill². Follow instructions in the REFILL Directions section when reusing comfort wand.</p> <p>If empty: Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.</p> <p>If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.</p>

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear: Long-sleeved shirt and long pants, socks, shoes, and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish, aquatic invertebrates, oysters and shrimp. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds. This product is highly toxic to bees exposed to direct treatment or residues on blooming plants. Do not apply this product or allow it to drift to blooming plants if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

NOTICE: To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this product not in accordance with directions.

FIRST AID

If swallowed:	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.

HOTLINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-225-2883 for Emergency Assistance.

NOTE TO PHYSICIAN: Emergency Information – call 1-800-225-2883.

†THE ORTHO® GUARANTEE

If for any reason you, the consumer, are not satisfied with this product, mail us your original proof of purchase to obtain a full refund of your purchase price.

Ortho® & Your Environment – Your home and your yard are places for family and pets to enjoy. That's why Ortho® products are designed with care to provide effective solutions to insect problems inside and outside your home. Follow instructions for proper usage, storage and disposal.

ORTHO® Home Defense®
Insecticida para interiores y perimetral₂

INSTRUCCIONES DE USO

Se considera una violación a la ley federal usar este producto con fines distintos de los indicados en la etiqueta.

No riegue el área tratada hasta el punto que escurra.

No realice aplicaciones cuando llueva.

APLICACIONES EN EXTERIORES, INCLUYENDO SUPERFICIES IMPERMEABLES

Todas las aplicaciones en exteriores deben limitarse a tratamientos focalizados o en grietas y hendiduras únicamente, excepto para los siguientes usos permitidos:

1. Tratamiento para tierra o vegetación alrededor de estructuras;
2. Aplicación para cimientos de construcción, hasta una altura máxima de 3 pies (90 centímetros).

A menos que sean para cimientos de construcción, todas las aplicaciones en exteriores para superficies impermeables, tales como aceras, caminos de entrada, patios, porches y superficies estructurales (como ventanas, puertas y aleros) están limitadas a tratamientos focalizados y en grietas y hendiduras, únicamente.

Se prohíbe la aplicación directa en alcantarillas o desagües, o en cualquier área similar a un canalón donde se pueda producir el drenaje hacia alcantarillas, desagües de tormenta, cuerpos de agua o hábitats acuáticos. No permita que el producto ingrese en ningún desagüe durante ni después de la aplicación.

APLICACIÓN EN SUPERFICIES IMPERMEABLES HORIZONTALES

Para impedir que el producto se escurra a alcantarillas, drenajes pluviales y cunetas, no trate superficies impermeables llanas (como caminos de entrada o aceras), a menos que la superficie esté protegida de la lluvia y del rocío de aspersores.

APLICACIÓN EN SUPERFICIES IMPERMEABLES VERTICALES

Control de plagas en superficies exteriores y alrededor de edificios: Se permite la aplicación del producto en superficies impermeables verticales en exteriores (como cimientos) hasta una altura máxima de 3 pies (90 centímetros) sobre el nivel del suelo. Las secciones de las superficies impermeables verticales que conectan con superficies impermeables llanas en exteriores sólo podrán ser tratadas si, 1) estas secciones están protegidas de la lluvia y el rocío de aspersores; o 2) las superficies impermeables llanas con las que conectan no escurran hacia una alcantarilla, drenaje pluvial o cuneta.

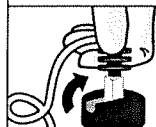
TRATAMIENTO PERIMETRAL: Para las secciones de los cimientos que conectan con superficies impermeables llanas, las áreas tratadas deberán estar protegidas de la lluvia y el rocío de aspersores, a menos que dichas superficies impermeables llanas no escurran hacia una alcantarilla, drenaje pluvial o cuneta.

INSTRUCCIONES PARA LA COMFORT WAND®



Prepare la varilla

- Retire la varilla rociadora del estuche.
- Retire la tira blanca de jalar para activar las pilas.
- Desdoble la varilla hasta que haga clic en su sitio.



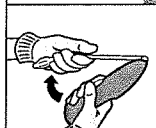
Conecte

- Desenrolle la manguera e inserte el conector de manguera rojo en el pico de la tapa de la botella hasta que haga clic.
- Levante el pico hasta que esté totalmente recto.



Rocíe

- Gire la boquilla del rociador hasta el tipo de rocío deseado.
- Deslice el interruptor del gatillo hasta la posición de "Unlock" (desbloquear).
- Apriete el gatillo para rociar.



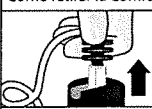
Termine

- Gire la boquilla del rociador hasta la posición de "OFF" (cerrado).
- Deslice el interruptor del gatillo hasta la posición de "Lock" (bloquear).
- Doble la varilla para cerrarla y ponga el rociador de vuelta en el estuche.

INSTRUCCIONES PARA RELLENAR

Cómo conectar la Comfort Wand® a la botella de Insecticida para interiores y perimetral de repuesto₂ Home Defense® de Ortho®:

Cómo retirar la Comfort Wand® de la botella original:

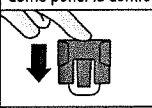


- Retire el conector de manguera de la botella original desconectando el adaptador rojo del pico blanco de la tapa.



- Para quitar el estuche lateral de la botella original, tire de la pestaña inferior de debajo y deslice el estuche hacia arriba.

Cómo poner la Comfort Wand® en la botella de repuesto:



- Enganche el estuche del rociador a la botella de repuesto deslizando hacia abajo sobre la perilla.

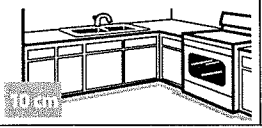
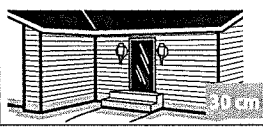



- Inserte el conector de manguera rojo en el pico blanco de la tapa hasta que haga clic.

Información importante de uso: No lo sumerja en agua. Cuando guarde el rociador por periodos prolongados, retire las pilas. **Para cambiar las pilas:** Vea el diagrama marcado dentro del compartimiento de las pilas.

ELIMINA

Elimina hormigas, cucarachas, arañas, escorpiones y más de otros 100 insectos comunes del hogar.

	SUPERFICIES EN INTERIORES	SUPERFICIES EN EXTERIORES
Cuándo aplicar	Úselo en cualquier momento como tratamiento preventivo o después de haber visto indicios de actividad de insectos, para conseguir un control duradero.	
Antes de aplicar	<ul style="list-style-type: none"> Cubra o retire los alimentos expuestos (incluidos los alimentos para mascotas). Cubra todas las superficies y los utensilios para procesar alimentos. 	<ul style="list-style-type: none"> No permita que este producto entre en contacto con suministros de agua. No rocíe al aire.
Cómo aplicar	<ul style="list-style-type: none"> Agite bien. Coloque la boquilla del rociador en modo para interiores. Sostenga el rociador a 12 pulgadas (30 centímetros) de la superficie que vaya a rociar. Aplique una franja de 4 pulgadas (10 centímetros) de ancho a lo largo del interior de su casa, en áreas donde los insectos sean un problema recurrente. Rocíe hasta que quede ligeramente mojado, sin empaparlo. 	<ul style="list-style-type: none"> Agite bien. Coloque la boquilla del rociador en modo para exteriores. Sostenga el rociador a 12 pulgadas (30 centímetros) de la superficie que vaya a rociar. Aplique una franja de 12 pulgadas (30 centímetros) de ancho a lo largo del exterior de su casa, en áreas donde los insectos sean un problema recurrente. Rocíe hasta que quede ligeramente mojado, sin empaparlo. 
Después de aplicar 	<ul style="list-style-type: none"> Las personas y las mascotas pueden volver a ingresar al área tratada una vez que el rociado se haya secado. Lave minuciosamente, con agua y jabón, todas las superficies y los utensilios para procesar alimentos antes de volver a utilizarlos. Repita según sea necesario. Se recomienda volver a realizar el tratamiento en exteriores, al menos, una vez por temporada (3 meses). Para un control residual duradero, no retire el rociado. El producto seguirá actuando por un máximo de 12 meses para eliminar hormigas, cucarachas y arañas en superficies no porosas en interiores. 	
Pulgas y garrapatas (incluidas las garrapatas que pueden transmitir la enfermedad de Lyme)	<ul style="list-style-type: none"> No rocíe animales. Los lugares de descanso de las mascotas pueden ser tratados con este producto. <p>Cómo aplicar: Aplique como tratamiento focalizado en áreas infestadas, como lugares de descanso de las mascotas y áreas localizadas de pisos/cubiertas de pisos (tapetes, alfombras, azulejos, vinilo y madera), donde las plagas puedan estar presentes. La ropa de cama de las mascotas debe ser retirada y reemplazada con ropa de cama limpia y fresca después del tratamiento del área de la mascota. Para controlar la fuente de infestación de pulgas, las mascotas que vivan en el lugar tratado también deben ser tratadas con un producto autorizado para uso en animales.</p>	

ALMACENAMIENTO Y ELIMINACIÓN

ALMACENAMIENTO DEL PESTICIDA:	Comfort Wand®: Guárdelo en su envase original y en un lugar fuera del alcance de los niños.
ELIMINACIÓN DEL PESTICIDA Y MANEJO DEL ENVASE:	<p>La Comfort Wand® puede volverse a utilizar con el insecticida para interiores y perimetral de repuesto Home Defense® de Ortho®. Siga las indicaciones de la sección de INSTRUCCIONES PARA EL REPUESTO cuando quiera volver a utilizar la Comfort Wand®.</p> <p>Si está vacío: Envase no rellenable. No vuelva a utilizar ni a llenar este envase. Colóquelo en la basura o recíclolo, si corresponde.</p> <p>Si está parcialmente lleno: Llame a su agencia de desechos sólidos local para obtener instrucciones sobre cómo eliminar el producto. Nunca elimine el producto no utilizado en drenajes internos (incluyendo el inodoro) o externos (incluyendo las alcantarillas).</p>

AVISOS DE PRECAUCIÓN

RIESGOS PARA LOS SERES HUMANOS Y LOS ANIMALES DOMÉSTICOS

PRECAUCIÓN: El producto es nocivo si se ingiere. Causa irritación moderada a los ojos. Evite el contacto con los ojos o la ropa. Use: camisa de manga larga y pantalones largos, medias o calcetines, zapatos y guantes. Lávese bien con agua y jabón después de manipular el producto y antes de comer, beber, masticar chicle, consumir tabaco o utilizar el inodoro.

RIESGOS AMBIENTALES

Este pesticida es extremadamente tóxico para los peces, los invertebrados acuáticos, las ostras y los camarones. Para proteger el medio ambiente, no permita que el pesticida ingrese o discurra a desagües de tormenta, zanjas de drenaje, canalones o aguas superficiales. La aplicación de este producto en un clima tranquilo, cuando no haya un pronóstico de lluvia para las siguientes 24 horas, ayudará a asegurar que el viento o la lluvia no arrastren o laven el pesticida fuera del área de tratamiento. El desvío o escurrimiento del producto fuera de las zonas tratadas puede ser peligroso para los organismos acuáticos de las áreas vecinas. El producto se debe aplicar con cuidado para no afectar a los peces y los reptiles de mascota que se encuentren dentro o cerca de los estanques ornamentales. Este producto es altamente tóxico para las abejas expuestas al tratamiento directo o a los residuos del mismo en los cultivos en floración. No aplique este producto ni permita que entre en contacto con cultivos en floración si hay abejas que estén visitando el área de tratamiento.

RIESGOS FÍSICOS O QUÍMICOS

No aplique este producto ni por dentro ni por fuera de equipos eléctricos, ya que podría recibir una descarga eléctrica.

ADVERTENCIA: En la medida contemplada por las leyes aplicables, el comprador asume toda la responsabilidad derivada del uso, el almacenamiento o el manejo de este producto si no se siguen las instrucciones.

PRIMEROS AUXILIOS

En caso de ingerir el producto:	<ul style="list-style-type: none"> • Llame inmediatamente al centro de control de envenenamientos o al médico para obtener recomendaciones de tratamiento. • Si la persona puede tragar, haga que beba poco a poco un vaso de agua. • No induzca el vómito, a menos que así se lo indique un médico o un centro de control de envenenamientos. • No administre nada por la boca a una persona que haya perdido el conocimiento.
Si entra en los ojos:	<ul style="list-style-type: none"> • Mantenga el ojo abierto y enjuáguelo con agua despacio y con cuidado por 15 a 20 minutos. • Si tuviera lentes de contacto, quítelos después de los primeros 5 minutos, luego continúe lavando el ojo. • Llame a un centro de control de envenenamientos o al médico para obtener recomendaciones de tratamiento.

NÚMERO PARA EMERGENCIAS: Tenga a la mano el envase o la etiqueta del producto cuando llame al centro de control de envenenamientos o al médico, o al acudir a recibir tratamiento. También puede llamar al 1-800-225-2883 para obtener atención de emergencia.

ADVERTENCIA PARA EL MÉDICO: Para obtener información de emergencia, llame al 1-800-225-2883.

LA GARANTÍA ORTHO®: Si por alguna razón usted, el consumidor, no está satisfecho con este producto, envíenos por correo el comprobante de compra original para obtener un reembolso completo de su precio de compra.

Ortho® y su entorno: Su hogar y jardín son lugares que su familia y sus mascotas deben disfrutar. Es por eso que los productos Ortho® están diseñados cuidadosamente para proporcionar soluciones efectivas a los problemas de plagas en el interior y el exterior de su hogar. Siga las instrucciones de uso, almacenamiento y eliminación apropiados.

STORAGE AND DISPOSAL

PESTICIDE STORAGE:	Comfort Wand®: To be stored in original container and placed in areas inaccessible to children.
PESTICIDE DISPOSAL AND CONTAINER HANDLING:	<p>Comfort Wand® can be reused with Ortho® Home Defense® Insect Killer for Indoor and Perimeter Refill². Follow instructions in the REFILL Directions section when reusing comfort wand.</p> <p>If empty: Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.</p> <p>If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.</p>

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear: Long-sleeved shirt and long pants, socks, shoes, and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish, aquatic invertebrates, oysters and shrimp. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds. This product is highly toxic to bees exposed to direct treatment or residues on blooming plants. Do not apply this product or allow it to drift to blooming plants if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

NOTICE: To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this product not in accordance with directions.

FIRST AID

If swallowed:	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.

HOTLINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-225-2883 for Emergency Assistance.

NOTE TO PHYSICIAN: Emergency Information – call 1-800-225-2883.

†THE ORTHO® GUARANTEE

If for any reason you, the consumer, are not satisfied with this product, mail us your original proof of purchase to obtain a full refund of your purchase price.

Ortho® & Your Environment – Your home and your yard are places for family and pets to enjoy. That's why Ortho® products are designed with care to provide effective solutions to insect problems inside and outside your home. Follow instructions for proper usage, storage and disposal.



1-800-225-2883

Questions or Comments
Preguntas o comentarios



www.ortho.com

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Sold by The ORTHO Group
P.O. Box 190, Marysville, OH 43040

EPA Reg. No. 239-2717
EPA Est. No. 239-1A-3¹, 239-MS-001^M,
58996-MO-1^A, 085652-OH-1^W
Superscript is first letter of lot number.

LB8044

- Ortho Home Defense Max Indoor Insect Barrier.



Latest revision date: 02/26/2019

Version: 1.0

United States
Safety Data Sheet

The Ortho Group
P.O. Box 190
Marysville, Ohio 43040
United States

24 h. EMERGENCY TELEPHONE NUMBER
CHEMTREC (U.S.) 1-800-424-9300
CHEMTREC (International) 1-703-527-3887
Non-Emergency Calls
1-937-644-0011

ORTHO HOME DEFENSE MAX INDOOR INSECT BARRIER

Section 1. Identification

GHS product identifier : ORTHO HOME DEFENSE MAX INDOOR INSECT BARRIER
Product type : Pesticide
SDS # : 320000012123
EPA Registration Number: : 239-2699

Relevant identified uses of the substance or mixture and uses advised against

Use only in accordance with label directions.

Section 2. Hazards identification

This product is regulated by the Environmental Protection Agency (EPA) for label precautionary text see Section 15.

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : None

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Version: 1.0

Date of issue/Date of revision: 02/26/2019

Date of previous issue: 00/00/0000

Supplemental label elements : None known.
Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Chemical name : Not available.
Other means of identification : Not available.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.
- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : No specific data.
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material

e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- | | | |
|---|---|--|
| Protective measures | : | Put on appropriate personal protective equipment (see Section 8). |
| Advice on general occupational hygiene | : | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Conditions for safe storage, including any incompatibilities | : | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. |

Section 8. Exposure controls/personal protection

Occupational exposure limits

None.

- | | | |
|---|---|--|
| Appropriate engineering controls | : | Good general ventilation should be sufficient to control worker exposure to airborne contaminants. |
| Environmental exposure controls | : | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |

Individual protection measures

- | | | |
|----------------------------|---|---|
| Hygiene measures | : | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Eye/face protection | : | Protective eyewear is not required, but may be used in situations where contact is expected. |

Skin protection

- | | | |
|------------------------|---|--|
| Hand protection | : | Chemical-resistant, impervious gloves complying with an approved |
|------------------------|---|--|

		standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	No special protective clothing is required.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state	:	liquid [liquid]
Color	:	Clear to Hazy
Odor	:	Little or no odor
Odor threshold	:	Not available.
pH	:	7
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive (flammable) limits	:	Lower: Not available. Upper: Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Partition coefficient: n-octanol/water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	Dynamic: Not available. Kinematic: Not available.

Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	The product is stable.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	No specific data.
Incompatible materials	:	No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
	LD50 Oral	Rat	> 5,000 mg/kg	-
	LC50 Inhalation	Rat	> 5 mg/l	4 h
	LD50 Dermal	Rat	> 5,000 mg/kg	-

Conclusion/Summary : No known significant effects or critical hazards.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
	Eyes - Redness of the conjunctivae	Rabbit	1.0		-
	Skin - Erythema/Es char	Rabbit	1.0		-

Conclusion/Summary

Skin : Non-irritating
Eyes : Moderate
Respiratory : Not available.

Sensitization

Product/ingredient name	Route of exposure	Species	Result
	Skin	Guinea pig	Not sensitizing

Conclusion/Summary

Skin : Not sensitizing
Respiratory : No results available.

Mutagenicity

Conclusion/Summary : No known significant effects or critical hazards.

Carcinogenicity

Conclusion/Summary : No known significant effects or critical hazards.

Reproductive toxicity

Conclusion/Summary : No known significant effects or critical hazards.

Teratogenicity

Conclusion/Summary : No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential chronic health effects

Conclusion/Summary : No known significant effects or critical hazards.

General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Section 12. Ecological information

Toxicity

Conclusion/Summary : Not available.

Persistence and degradability

Conclusion/Summary : Not available.

Mobility in soil

Soil/water partition coefficient (KOC) : Not available.
Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental

protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

<u>Regulatory information</u>	<u>UN no.</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>PG*</u>	<u>Note</u>
DOT		Not Regulated			

PG* : Packing group

Section 15. Regulatory information

Precautionary statements

Signal word	:	CAUTION!
Emergency Overview	:	Keep out of reach of children. Causes moderate eye irritation. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

<u>U.S. Federal regulations</u>	:	United States inventory (TSCA 8b): Not determined.
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State regulations

California Prop. 65
Not available.

International lists

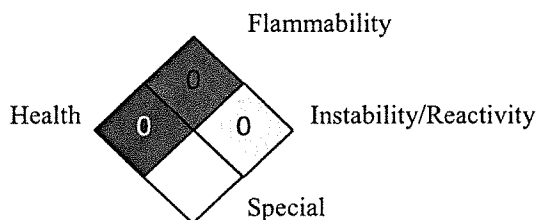
National inventory

Australia	:	At least one component is not listed.
Canada	:	At least one component is not listed.
China	:	At least one component is not listed.
Europe	:	At least one component is not listed.
Japan	:	At least one component is not listed.

Malaysia	:	Not determined.
New Zealand	:	At least one component is not listed.
Philippines	:	At least one component is not listed.
Republic of Korea	:	At least one component is not listed.
Taiwan	:	Not determined.

Section 16. Other information

National Fire Protection Association (U.S.A.):



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

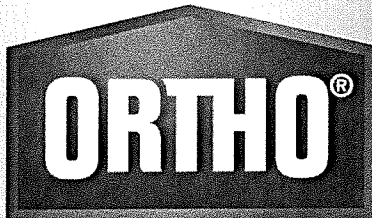
Classification	Justification
Not classified.	

History

Date of issue/Date of revision : 02/26/2019
Version : 1.0

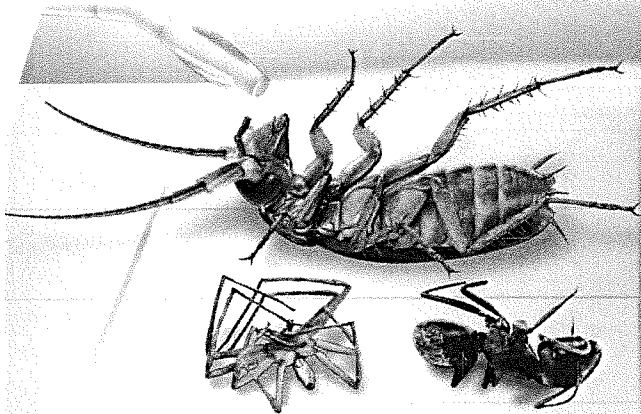
Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



HOME DEFENSE MAX[®]

INDOOR INSECT BARRIER



KILLS ALL
COMMON
HOUSEHOLD BUGS***

GREAT FOR USE INDOORS!

✓ **NO STAINS**
✓ **NO FUMES**

Matrix
Code

FOR RESIDENTIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
CAUTION See back booklet for additional
precautionary statements.

NET CONTENTS 1 GAL(3.7L)

**For Ants, Roaches, & Spiders indoors on non-porous surfaces

***Refer to booklet for complete list of bugs

\$12 month control for Ants, Roaches, & Spiders indoors on non-porous surfaces

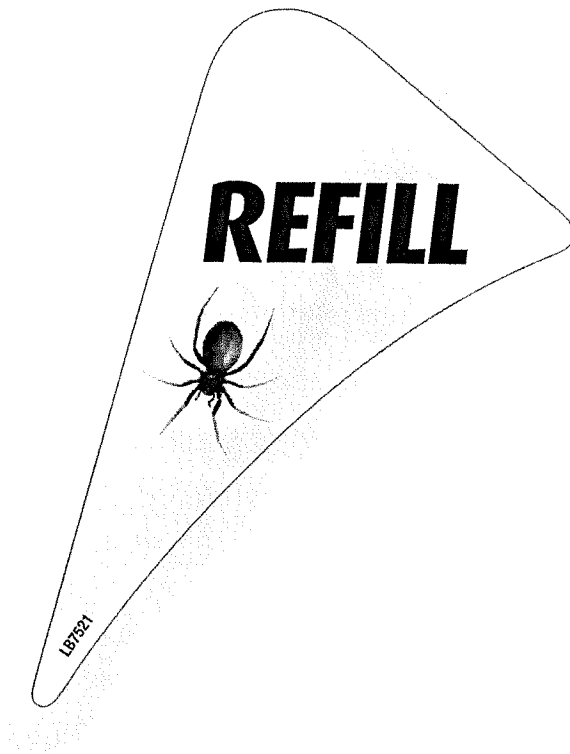
Active Ingredient:

Bifenthrin.....0.05%

Other Ingredients.....99.95%

Total.....100.00%

*Cis isomers 97% min, trans isomers 3% maximum





HOME DEFENSE MAX[®]

INDOOR INSECT BARRIER
KILLS & PREVENTS INSECTS

People and pets may
enter treated areas
after spray has dried.



INDOOR SURFACES Apply a 4-inch wide band along the surfaces being treated.



Kitchens



Bathrooms



Doors & Windows



Basements

OPEN
Resealable
Label for
Directions &
Precautions
Español ver
pagina 7

WHAT IT DOES:



Kills home invading insects
including ants, cockroaches,
spiders, fleas, ticks, scorpions,
beetles, earwigs, silverfish,
centipedes, and millipedes.
(See inside for complete list)

512 month control for Ants, Roaches, & Spiders
indoors on non-porous surfaces.

WHERE TO USE:



Use with confidence,
Indoors (kitchens,
bathrooms, doors & windows,
basements) and Outdoors
wherever insects are a
recurring problem.

WHEN TO USE:



Use anytime as a preventative
treatment or after you see
evidence of insect activity
for long-lasting control.



Questions or Comments
Preguntas o comentarios
1-800-225-2883

ortho.com

The
ORTHO[®]
Guarantee

If for any reason you, the consumer, are not satisfied
with this product, mail us your original proof of
purchase to obtain a full refund of your purchase price.

UPC

0 71549 02032 3
0505

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Sold by The ORTHO Group, PO Box 190, Marysville, OH 43040
EPA Reg. No. 239-2699
EPA Est. No. 239-IA-3

Matrix
Code

LB12081

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Do not water the treated area to the point of run-off.
Do not make applications during rain.

OUTDOOR APPLICATIONS INCLUDING HARD SURFACES

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

1. Treatment to soil or vegetation around structures;
2. Application to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to hard surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications only.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

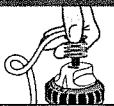

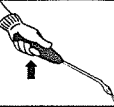
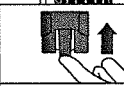

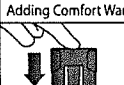

APPLICATION TO HORIZONTAL HARD SURFACES

To help prevent product from running off into sewers, storm drains, and curbside gutters, do not treat hard flat surfaces (e.g., driveways, sidewalks) unless the surface is protected from rainfall and spray from sprinklers.

APPLICATION TO VERTICAL HARD SURFACES

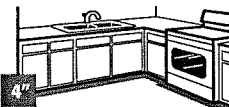
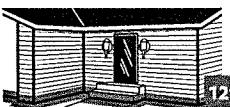
Pest control on outside surfaces and around buildings: Applications to hard vertical surfaces outdoors (e.g., foundations) are permitted to a maximum height of 3 feet above the ground. Sections of hard vertical surfaces that join to hard flat surfaces outdoors can only be treated if either 1) these sections are protected from rainfall and spray from sprinklers, or, 2) the hard flat surfaces they touch do not drain into a sewer, storm drain, or curbside gutter.

Perimeter treatment: For sections of foundation that join to hard flat surfaces, the treated areas must be protected from rainfall and spray from sprinklers unless those hard flat surfaces do not drain into a sewer, storm drain, or curbside gutter.

REFILL DIRECTIONS		COMFORT WAND® DIRECTIONS	
How to attach Comfort Wand® to Ortho® Home Defense Max® Indoor Insect Barrier refill bottle.			
Removing Comfort Wand® from original bottle:			
	• Remove the hose connector from the original bottle by pulling the plug from the spout on cap.		
	• To remove the side holster from original bottle, pull the bottom tab underneath and slide the holster up.		
Adding Comfort Wand® to Refill:			
	• Attach the sprayer holster to refill bottle by sliding the holster down onto the knob.		
	• Insert hose connector into spout on cap.		
		Connect <ul style="list-style-type: none">• Unwrap hose and insert hose connector into knob on bottle cap.• Twist knob to "ON".	
		Spray <ul style="list-style-type: none">• Turn sprayer nozzle to desired spray.• Slide switch on trigger to "Unlock".• Press trigger to spray.	
		Finish <ul style="list-style-type: none">• Turn nozzle to "OFF".• Slide switch on trigger to "Lock".• Fold wand closed and place sprayer back in holster.	
Important Use Information: Do not submerge in water. When storing sprayer for long periods, remove batteries.			
To replace batteries: See marked diagram inside battery compartment.			

KILLS

Adelgids	Lesser Peachtree	German	Mosquitoes
Eastern Sprucegall	Peachtree	Oriental	Moths
Ants	Peach Twig	Crickets	Artichoke Plume
Argentine	Southwestern Corn	Earwigs	Codling
Carpenter	Squash Vine	Firebrats	Diamondback
Foraging Fire Ants	Stalk	Fleas	Gypsy
Pavement	Boxelder Bugs	Cat	Periodical Cicada
Pharaoh/Sugar	Bristletails	Dog	Phylloxera
Pyramid	Caterpillars	Flies	Pecan Leaf
Red/Western Harvester	Alfalfa	Apple Maggot	Pecan Stem
Aphids	Armyworms (Beet, Fall,	Biting Flies	Pillbugs & Rollie Pollies
Apple	Southern, True, Yellow	Cherry Fruit	Plant Bugs
Black Cherry	Striped, Beet Armyworm	Corn Silk	Lygus Bug
Buckhorn	Eggs)	European Crane (Adult)	Tarnished
Greenbug	Bagworms	House	Psyllids
Pea	Blueberry Spanworm	Fungus Gnats	Pear
Pecan	Budworms	Grasshoppers	Sawflies
Rose	Corn Earworm	Hornets	European Pine
Rosy Apple	Cutworms	Lace Bugs	Redheaded Pine
Walnut	Cranberry Fruitworm	Leafhoppers	Scales
Bees	Filbertworm	Leafminers	Brown Soft
Beetles	Green Cloverworm	Leafrollers	California Red
Billbugs	Green Fruitworm	Leafhoppers	Euonymus
Black Turfgrass Attenius	Hickory Shuckworm	Leafminers	San Jose
Carpenter	Hornworms (Tobacco	Leafrollers	Scorpions
Colorado Potato	& Tomato)	Leafhoppers	Silverfish
Corn Rootworm (Adults)	Imported Cabbageworm	Leafminers	Sowbugs
Curculio (Cow Pea, Plum)	Loopers (Alfalfa, Cabbage,	Leafhoppers	Spiders
Elm Leaf	Celery)	Leafminers	Black Widow
Flea	Navel Orangeworm	Leafhoppers	Brown Recluse
Japanese (Adults)	Painted Lady	Mealybug	Hobo
Lady Beetles (including	Pecan Nut Casebearer	Midges	Wolf
Asian Lady Beetle Eggs)	Pickleworm	Millipedes	Spittlebugs
Mexican Bean	Rindworm	Mites	Pecan
Pine Chafer (grub)	Saltmarsh	Broad	Springtails
Pine Shoot	Sod Webworms	Carmine	Stink Bugs
Sap	Tent	Chigger	Brown Marmorated
Spotted Cucumber /	Velvetbean	Clover	Kudzu
Southern Corn Rootworm	Cantipedes	European Red	Stored Product Pests
(Adults)	Chinch Bug	Pecan Scorch	Thrips
Striped Cucumber	Hairy	Spruce	Ticks
Weevils (Annual Bluegrass	Southern	Two Spotted Spider	Termites
& Black Vine)	Cockroaches	(Adult)	Wasps
Borers	American/Palmetto Bug/	Two Spotted Spider	Whiteflies
American Plum	Waterbug	(Eggs)	Yellowjackets
European Corn	Asian	Mole Crickets	

INDOOR SURFACES		OUTDOOR SURFACES
When to Apply	Use anytime as a preventative treatment or after you see evidence of insect activity for long-lasting control.	
Before You Apply	<ul style="list-style-type: none"> • Cover or remove exposed food (including pet food). • Cover all food processing surfaces and utensils. 	<ul style="list-style-type: none"> • Do not allow this product to contact water supplies. • Do not spray into air.
How to Apply	<ul style="list-style-type: none"> • Shake well. • Set spray nozzle to indoor setting. • Hold sprayer 12 inches from surface being sprayed. • Apply a 4-inch wide band along the interior of your home in areas where insects are a recurring problem. • Spray until slightly wet without soaking. 	<ul style="list-style-type: none"> • Shake well. • Set spray nozzle to outdoor setting. • Hold sprayer 12 inches from surface being sprayed. • Apply a 12-inch wide band along the exterior perimeter of your home. • Spray until slightly wet without soaking. 
After You Apply	<ul style="list-style-type: none"> • People and Pets may re-enter treated area after spray has dried. • Thoroughly wash all food processing surfaces and utensils with soap and water before reuse. • Repeat as needed. Re-treatment is recommended at least once per season (3 months) outdoors. • For long-lasting residual control leave spray undisturbed. The product will keep on killing for up to 12 months indoors.* *For ants, roaches, and spiders indoors on non-porous surfaces. 	
Fleas and Ticks (Including ticks that may transmit Lyme Disease)	<ul style="list-style-type: none"> • Do not spray animals. • Pet resting quarters may be treated with this product. How to Apply: Spot treat infested areas such as pet's resting quarters and localized areas of floors/floor coverings (rugs, carpet, tile, vinyl & wood) where pests may be present. Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment of pet area. To control the source of flea infestation, pets inhabiting the treated premises should themselves be treated with a product registered for application to animals. 	

STORAGE AND DISPOSAL

PESTICIDE STORAGE:	Keep from freezing. To be stored in original container and placed in areas inaccessible to children.
PESTICIDE DISPOSAL AND CONTAINER HANDLING:	Comfort Wand® can be reused with Ortho® Home Defense Max® Indoor Insect Barrier refill bottle. Follow instructions in the Reuse Directions when reusing Comfort Wand®. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

PRECAUTIONARY STATEMENTS

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds. This product is highly toxic to bees exposed to direct treatment or residues on blooming plants. Do not apply this product or allow it to drift to blooming plants if bees are foraging the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

NOTICE: To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this product not in accordance with directions.

†THE ORTHO® GUARANTEE

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INSTRUCCIONES DE USO

Se considera una violación a la ley federal usar este producto con fines distintos de los indicados en la etiqueta.

No riegue el área tratada hasta el punto que oscurea.

No realice aplicaciones cuando llueva.

APLICACIONES EN EXTERIORES, INCLUYENDO SUPERFICIES IMPERMEABLES

Todas las aplicaciones en exteriores deben limitarse a tratamientos focalizados o en grietas y hendiduras únicamente, excepto para los siguientes usos permitidos:

1. Tratamiento para tierra o vegetación alrededor de estructuras;

2. Aplicación para cimientos de construcción, hasta una altura máxima de 3 pies (90 centímetros).

A menos que sean para cimientos de construcción, todas las aplicaciones en exteriores para superficies impermeables, tales como aceras, entradas para automóvil, patios, porches y superficies estructurales (tales como ventanas, puertas y aleros) están limitadas a tratamientos focalizados, y en grietas y hendiduras, únicamente.

Se prohíbe la aplicación directa en alcantarillas o desagües, o en cualquier área similar a un canalón donde se pueda producir el drenaje hacia alcantarillas, desagües de tormenta, cuerpos de agua o hábitats acuáticos. No permita que el producto ingrese en ningún desagüe durante ni después de la aplicación.

APLICACIÓN EN SUPERFICIES IMPERMEABLES HORIZONTALES

Para impedir que el producto se escurra a alcantarillas, drenajes pluviales y cunetas, no trate superficies impermeables llanas (como entradas para automóvil, o aceras), a menos que la superficie esté protegida de la lluvia y del rocío de aspersores.

APLICACIÓN EN SUPERFICIES IMPERMEABLES VERTICALES

Control de plagas en superficies exteriores y alrededor de edificios: Se permite la aplicación del producto en superficies impermeables verticales en exteriores (como cimientos) hasta una altura máxima de 3 pies (90 centímetros) sobre el nivel del suelo. Las secciones de las superficies impermeables verticales que conectan con superficies impermeables llanas en exteriores sólo podrán ser tratadas si, 1) estas secciones están protegidas de la lluvia y el rocío de aspersores; o 2) las superficies impermeables llanas con las que conectan no escurran hacia una alcantarilla, drenaje pluvial o cuneta.

Tratamiento perimetral: Para las secciones de los cimientos que conectan con superficies impermeables llanas, las áreas tratadas deberán estar protegidas de la lluvia y el rocío de aspersores, a menos que dichas superficies impermeables llanas no escurran hacia una alcantarilla, drenaje pluvial o cuneta.

INSTRUCCIONES PARA LA BOTELLA DE RECARGA

Cómo conectar la varilla Comfort Wand® a la botella de recarga de la Barrera contra Insectos Home Defense Max® de Ortho®.

Cómo quitar la varilla Comfort Wand® de la botella original:

• Retire el conector de manguera de la botella original jalando del tapón desde la boquilla de la tapa.

• Para retirar el estuche lateral de la botella original, jale de la lengüeta inferior y deslice el estuche hacia arriba.

Cómo agregar la varilla Comfort Wand® a la botella de recarga:

• Conecte el estuche del rociador a la botella de recarga deslizando hacia sobre la perilla.

• Inserte el conector de manguera en la boquilla de la tapa.

INSTRUCCIONES PARA LA COMFORT WAND®

Conecte

• Desenrolle la manguera e inserte el conector de manguera en el pico de la tapa de la botella.
• Gire la perilla hasta la posición de "ON" (abierto).

Rocíe

• Gire la boquilla del rociador hasta el tipo de rocío deseado.

• Deslice el interruptor del gatillo hasta la posición de "Unlock" (desbloquear).

• Apriete el gatillo para rociar.

Termine

• Gire la boquilla del rociador hasta la posición de "OFF" (cerrado).

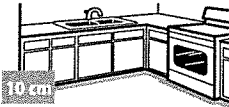
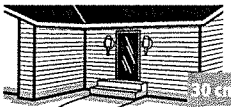
• Deslice el interruptor del gatillo hasta la posición de "Lock" (bloquear).

• Doble la varilla para cerrarla y ponga el rociador de vuelta en el estuche.

Información importante de uso: No lo sumerja en agua. Cuando guarde el rociador por periodos prolongados, retire las pilas.
Para cambiar las pilas: Vea el diagrama marcado dentro del compartimiento de las pilas.

ELIMINA

Elimina hormigas, cucarachas, arañas, escorpiones y más de 100 variedades de insectos comunes del hogar.

	SUPERFICIES EN INTERIORES	SUPERFICIES EN EXTERIORES
Cuándo aplicar	Úselo en cualquier momento como tratamiento preventivo o después de haber visto indicios de actividad de insectos, para conseguir un control duradero.	
Antes de aplicar	<ul style="list-style-type: none"> Cubra o retire los alimentos expuestos (incluidos los alimentos para mascotas). Cubra todas las superficies y los utensilios para procesar alimentos. 	<ul style="list-style-type: none"> No permita que este producto entre en contacto con suministros de agua. No rocíe al aire.
Cómo aplicar	<ul style="list-style-type: none"> Agite bien. Coloque la boquilla del rociador en modo para interiores. Sostenga el rociador a 12 pulgadas (30 centímetros) de la superficie que vaya a rociar. Aplique una franja de 4 pulgadas (10 centímetros) de ancho a lo largo del interior de su casa, en áreas donde los insectos sean un problema recurrente. Rocíe hasta que quede ligeramente mojado, sin empapararlo. 	<ul style="list-style-type: none"> Agite bien. Coloque la boquilla del rociador en modo para exteriores. Sostenga el rociador a 12 pulgadas (30 centímetros) de la superficie que vaya a rociar. Aplique una franja de 12 pulgadas (30 centímetros) de ancho a lo largo del perímetro exterior de su casa. Rocíe hasta que quede ligeramente mojado, sin empapararlo. 
Después de aplicar	<ul style="list-style-type: none"> Las personas y las mascotas pueden volver a ingresar al área tratada una vez que el rociado se haya secado. Lave bien con agua y jabón todas las superficies y los utensilios para procesar alimentos antes de volver a utilizarlos. Repita según sea necesario. Se recomienda volver a realizar el tratamiento en exteriores por lo menos una vez por temporada (3 meses). Para un control residual duradero, deje el rociado tal cual. El producto seguirá actuando por un máximo de 12 meses en interiores.* *Para eliminar hormigas, cucarachas y arañas en superficies no porosas en interiores. 	
Pulgas y garrapatas (incluidas las garrapatas que pueden transmitir la enfermedad de Lyme)	<ul style="list-style-type: none"> No rocíe animales. Los lugares de descanso de las mascotas pueden ser tratados con este producto. <p>Cómo aplicar: Aplique como tratamiento focalizado en áreas infestadas, como lugares de descanso de las mascotas y áreas localizadas de pisos/cubiertas de pisos (tapetes, alfombras, azulejos, vinilo y madera), donde las plagas puedan estar presentes. La ropa de cama de las mascotas debe ser retirada y reemplazada con ropa de cama limpia y fresca después del tratamiento del área de la mascota. Para controlar la fuente de infestación de pulgas, las mascotas que vivan en el lugar tratado también deben ser tratadas con un producto autorizado para su uso en animales.</p>	

ALMACENAMIENTO Y ELIMINACIÓN

ALMACENAMIENTO DEL PESTICIDA:	Proteja del congelamiento. Debe ser almacenado en su envase original y colocado en lugares inaccesibles para los niños.
ELIMINACIÓN DEL PESTICIDA Y MANEJO DEL ENVASE:	<p>La Comfort Wand® puede volverse a utilizar con la botella de recarga de la Barrera contra insectos para interiores Home Defense Max® de Ortho®. Siga las indicaciones de la sección de Instrucciones de Reutilización al volver a utilizar la Comfort Wand®.</p> <p>Si está vacío: Tirelo a la basura o, si está disponible, ofrézcalo para reciclaje.</p> <p>Si está parcialmente lleno: Llame a su agencia de desechos sólidos local para obtener instrucciones sobre cómo eliminar el producto. Nunca elimine el producto no utilizado en drenajes internos o externos.</p>

AVISOS DE PRECAUCIÓN

RIESGOS AMBIENTALES

Este pesticida es extremadamente tóxico para los peces y los invertebrados acuáticos. Para proteger el medio ambiente, no permita que el pesticida ingrese o discorra a desagües de tormenta, zanjas de drenaje, canalones o aguas superficiales. La aplicación de este producto en un clima tranquilo, cuando no haya un pronóstico de lluvia para las siguientes 24 horas, ayudará a asegurar que el viento o la lluvia no arrastren o laven el pesticida fuera del área de tratamiento. El desvío o escurrimiento del producto fuera de las zonas tratadas puede ser peligroso para los organismos acuáticos de las áreas vecinas. El producto se debe aplicar con cuidado para no afectar a los peces y los reptiles de mascota que se encuentren dentro o cerca de los estanques ornamentales. Este producto es altamente tóxico para las abejas expuestas al tratamiento directo o a los residuos del mismo en las plantas en floración. No aplique este producto ni permita que sea arrastrado por el viento hacia las plantas en floración si hay abejas que estén en busca de alimento en el área de tratamiento.

RIESGOS FÍSICOS O QUÍMICOS

No aplique este producto ni por dentro ni por fuera de equipos eléctricos, ya que podría recibir una descarga eléctrica.

ADVERTENCIA: En la medida contemplada por las leyes aplicables, el comprador asume todos los riesgos derivados del uso, el almacenamiento o el manejo de este producto si no se siguen las instrucciones.

†LA GARANTIA ORTHO®

Si por alguna razón usted, el consumidor, no está satisfecho con este producto, envíenos por correo el comprobante de compra original para recibir un reembolso completo de su precio de compra.

STORAGE AND DISPOSAL

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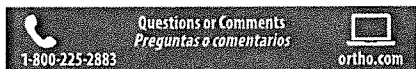
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P.O. Box 190, Marysville, OH 43040

EPA Reg. No. 239-2699
EPA Est. No. 239-1A-3

LB13981

- Hot Shot Ant, Roach and Spider Killer.

Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: Hot Shot® Ant, Roach & Spider Killer (Fresh Floral)**Other Means of Identification:**

Product Code HG-16781; HG-26781; HG-36781; HG-36781WM; HG-46781; HG-56781;
HG-66746W; HG-66781; HG-76781; HG-76781C; HG-86738; HG-86781FD;
HG-96746; HG-96781; HG-96781C; HG-96794; HG-96796; HG-96841;
HG-96854; HG-96856; HG-96857; HG-96885FD; HG-96920WMT; HG-96960FD

Formula Number 21-1560

EPA Reg. Number 9688-340-8845

Recommended Use: Insecticide - Crawling Bug - Aerosol**Recommended Restrictions:** Use in accordance with label directions**Manufacturer/Importer/Supplier/Distributor Information:**

Company Name Spectrum Group, Division of United Industries Corporation

Address PO Box 142642, St. Louis, MO 63114-0642

Telephone Number 1-800-917-5431

Emergency Telephone Number:

CHEMTREC (800)424-9300

Medical (800)917-5431

Section 2 - HAZARD(S) IDENTIFICATION

Classification of Substance or Mixture:

Physical Hazard(s) Flammable Aerosol - Category 2
Gases Under Pressure - Low Pressure Liquefied Gas

Health Hazard(s) Not classified as a health hazard

Label Elements:

Hazard Pictogram(s)



Signal Word

WARNING

Hazard Statements:

Flammable aerosol

Contains gas under pressure; may explode if heated

Precautionary Statements:

Keep away from heat, sparks, open flames, and hot surfaces. - No smoking.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

Hazard(s) not Otherwise Classified (HNOC): No additional information available**Supplemental Information:** None

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS Number	%
Hydrotreated Light Petroleum Distillates	n/a	64742-47-8	4.5
Propane	n/a	74-98-6	2.9
Isobutane	n/a	75-28-5	1.6
1-butoxy-2-propanol	n/a	5131-66-8	1.5
Imiprothrin	n/a	72963-72-5	0.075
Lambda-Cyhalothrin	n/a	91465-08-6	0.025

In accordance with paragraph (d) of 1910.1200, the exact percentage (concentration) has been withheld as a trade secret. Other components are below reportable levels.

Section 4 - FIRST-AID MEASURES

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact: In case of contact, wash skin with plenty of water. If skin irritation or redness develops, seek medical attention.

Eye Contact: In case of contact, flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

Most Important Symptoms/Effects, Acute and Delayed: Symptoms of exposure may include, irritation of eyes and nose, cough and/or shortness of breath.

Indication of Immediate Medical Attention & Special Treatment Needed: Immediate medical attention should not be required.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical or CO₂.

Unsuitable Extinguishing Media: None: Use extinguishing agent suitable for type of surrounding fire.

Specific Hazards Arising from the Chemical: Products of combustion may include, and are not limited to: oxides of carbon.

Special Protective Equipment and Precautions for Firefighters: Keep upwind of fire. Vapors may cause dizziness or asphyxiation without warning. Vapors from liquefied gas are initially heavier than air and spread along ground. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. Fire may produce irritating, corrosive and/or toxic gases. Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Structural firefighters' protective clothing will only provide limited protection.

In Case of Large Fire: Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists.

Potential Hazards: Some may burn but none ignite readily. Containers may explode when heated. Ruptured cylinders may rocket.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Methods and Materials for Containment and Cleaning Up: Do not touch or walk through spilled material. Stop leak if you can do it without risk. Do not direct water at spill or source of leak. Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. If possible, turn leaking containers so that gas escapes rather than liquid. Prevent entry into waterways, sewers, basements or confined areas. Allow substance to evaporate. Ventilate the area.

Environmental Precautions: Report spills as required by local and national regulations. Prevent entry into storm sewers and waterways.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Avoid breathing mist. Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Conditions for Safe Storage, Including any Incompatibilities: Keep out of reach of children. Keep container tightly closed. Keep away from heat, sparks, open flames, and hot surfaces. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place (See section 10).

NFPA 30B Classification: Level 1 Aerosol

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Chemical Name	Exposure Limits					
	OSHA PEL		ACGIH TLV		Supplier OEL	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Hydrotreated Light Petroleum Distillates	-	TWA 5	-	TWA 5; STEL 10 TWA 200 (as total hydro-carbon vapor), 8hrs	TWA 100	TWA 525
Propane	TWA 1000	TWA 1800	TWA 1000	-	NIOSH REL TWA 1000	NIOSH REL TWA 1800
Isobutane	-	-	STEL 1000	-	NIOSH REL TWA 800	NIOSH REL TWA 1900
1-butoxy-2-propanol	-	-	-	-	TWA 50	-

Appropriate Engineering Controls: Wear appropriate respirator or use adequate ventilation where

Individual Protective Measures, Such as Personal Protective Equipment:

Eye/face protection: None required for normal use.

Skin and body protection: None required under normal use conditions.

Respiratory protection: None required under normal use conditions.

General hygiene considerations: Do not eat, drink or smoke where material is handled, processed or stored. Wash hands after handling.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Clear to slightly hazy yellow liquid
Odor:	Solvent and pyrethroid
Odor Threshold:	No data available
pH:	6.52
Melting / Freezing Point:	No data available
Initial boiling point and range:	No data available
Flashpoint:	No data available
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	0.9386
Solubility(ies):	No data available
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Heat of Combustion:	4.5 kJ/g

Section 10 - STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical stability:	Stable under normal storage conditions.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Heat. Incompatible materials.
Incompatible materials:	None known.
Hazardous decomposition products:	May include, and are not limited to oxides of carbon.

Section 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: Inhalation, Ingestion and/or skin or eye contact

Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation: May cause respiratory tract irritation.

Ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Skin contact:	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Eye contact:	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Acute Toxicity Values:

Calculated overall Chemical Acute Toxicity Values (ATE)		
LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
>5000 mg/kg	>5000 mg/kg	>5 mg/l

Eye Contact:	Based on available data, the classification criteria are not met.
Skin Contact:	Based on available data, the classification criteria are not met.
Sensitization:	Based on available data, the classification criteria are not met.

**Chronic Effects-
Carcinogenicity:**

Ingredient	Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA)
None of the ingredients present in this product at or above 0.1% are listed as potential carcinogens on the NTP, IARC or OSHA lists.	

Reproductive Toxicity:	Based on available data, the classification criteria are not met.
Germ Cell Mutagenicity:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

Comment:	All information was generated using the GHS classification criteria for mixtures and test data where available.
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Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	Per GHS, this product is classified as a category 1 aquatic acute toxicant, and a category 1 aquatic chronic toxicant.
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	No data available

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local, state/provincial and federal regulations. For more information see product label.

Section 14 - TRANSPORTATION INFORMATION

DOT:	UN Number:	UN1950
	Proper Shipping Name:	Aerosols
	Hazard Class:	2.1
	Packing Group:	None
	Limited Quantity:	≤1L
IATA:	UN Number:	UN1950
	Proper Shipping Name:	Aerosols
	Hazard Class:	2.1
	Packing Group:	None
IMDG:	UN Number:	UN1950
	Proper Shipping Name:	Aerosols
	Hazard Class:	2.1
	Packing Group:	None
	Limited Quantity:	≤1L
	Marine Pollutant:	Yes (Lambda-Cyhalothrin)

Section 15 - REGULATORY INFORMATION

US EPA Label Information:

EPA Pesticide Registration Number 9688-340-8845

Federal Insecticide, Fungicide, Rodenticide Act Regulations

This chemical is a pesticide product registered by the Environmental Protection Agency and is subjected to certain labeling requirements under the federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

CAUTION: KEEP OUT OF REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not apply directly to water.

PHYSICAL or CHEMICAL HAZARDS: Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

STORAGE AND DISPOSAL: Pesticide Storage: Store in cool, dry area inaccessible to children and away from heat or open flame. Do Not Puncture or Incinerate! Pesticide

Disposal and Container Handling: Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

EPA TSCA Inventory: All of the components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

SARA Hazard Category See OSHA hazards listed in section 2.

SARA 313: Section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Disclaimer: Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Section 16 - OTHER INFORMATION

Issue date: May 25, 2018
Revision date: October 19, 2020
Version number: 1.4

SHAKE WELL BEFORE USING • AGITE BIEN ANTES DE USAR

STOP! READ ENTIRE LABEL BEFORE USE.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Use Restrictions: For residential use only. Point spray away from people, pets and plants. Do not use as a room spray. Remove pets and cover aquariums before spraying. Do not allow the spray to contact food or food-contacting surfaces. Do not allow people or pets to contact treated surfaces until spray has dried. Thoroughly wash dishes, utensils and countertops with soap and water if they are inadvertently sprayed with this product.

INDOORS

To kill ants, cockroaches, spiders, fleas, silverfish, firebrats, crickets, Asian ladybeetles, carpet beetles, waterbugs, palmetto bugs and stink bugs: *Shake well before using.* Spray surfaces until damp, moving the spray rapidly to prevent excessive wetting and waste of product. Treat areas where insects are commonly found, such as cracks and crevices.

Ants: Treat around doors, around window frames, ant trails and other areas of entry. Fire ants and pharaoh ants must be sprayed directly in order to be killed.
Fleas: Fleas must be sprayed directly in order to be killed.
Spiders: Spiders must be sprayed directly in order to be killed.

Use As A Spot Treatment Indoors

- Along & behind baseboards
- Around & beneath appliances
- Beneath & behind sinks



Other Areas Where Insects Are Often Found:

In cracks & crevices; around pipes & plumbing; around waste containers; in dark corners of rooms, cabinets & closets

OUTDOORS

Do not water the treated area to the point of runoff. Do not make applications during rain. All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

1. Treatment to soil or vegetation around structures
2. Applications to lawns, turf and other vegetation

All outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to spot and crack-and-crevice applications only.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

To kill ants, cockroaches, spiders, fleas, crickets, Asian ladybeetles, stink bugs, palmetto bugs and waterbugs:

Shake well before using. Spray common insect entry points around buildings. Spray around door frames, window frames and screens, porches and patios.

Ants: Spray ant hills, nests, ant trails and other areas of entry. Fire ants and pharaoh ants must be sprayed directly in order to be killed.

Fleas: Fleas must be sprayed directly in order to be killed.

Spiders: Spiders must be sprayed directly in order to be killed.

Point spray away from people, pets and plants.

STORAGE AND DISPOSAL

Pesticide Storage: Store in cool, dry area inaccessible to children and away from heat or open flame. Do Not Puncture or Incinerate!

Pesticide Disposal and Container Handling: Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling, if available. If partly filled: Call your local solid waste agency for disposal instructions.

PRECAUTIONARY STATEMENTS

Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water.

Physical or Chemical Hazards

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

NOTICE: To the extent consistent with applicable law, buyer assumes all responsibility for safety and use not in accordance with directions.

Questions or Comments?
Call 1-800-917-5431 or visit our website at www.hotshot.com

GUARANTEED: If you are not satisfied with this product for any reason, send your written request for a refund to the address below, together with the dated store receipt showing the price you paid. Please allow 6-8 weeks for processing.

Distributed by Spectrum Group, Division of United Industries Corporation
PO Box 142642, St. Louis, MO 63114-0642
EPA Reg. No. 9688-340-8845

EPA Est. Nos. 9688-MO-1 (U), 3657-WI-2 (BU), 58996-MO-1 (AE)
Circled letter is first letter of lot number. 11-12165 © 2018 UIC

¡ALTO! LEA TODA LA ETIQUETA ANTES DE USAR.

MODO DE EMPLEO

Se considera una violación a la ley federal usar este producto de una manera que no sea la indicada en la etiqueta.

Restricciones de uso: Solo para uso residencial. Dirija el rocío lejos de las personas, las mascotas y las plantas. No lo use como un rocío de habitación. Antes de rociar, retire a las mascotas y cubra las peceras. No permita que el rocío entre en contacto con alimentos ni con superficies que entren en contacto con alimentos. No permita que las personas o las mascotas entren en contacto con las superficies tratadas hasta que el rocío se haya secado. Lave muy bien con agua y jabón platos, utensilios y superficies de cocina en caso de que se rocíen accidentalmente con este producto.

EN ESPACIOS INTERIORES

Para matar hormigas, cucarachas, arañas, pulgas, lepismas, tisanuros, grillos, mariquitas asiáticas, escarabajos de las alfombras, chinches de agua, cucarachas de caño y chinches hediondas:

Agite bien antes de usar. Rocíe las superficies hasta humedecer, moviendo el rociador rápidamente para evitar mojar en exceso y desperdiciar el producto. Trate las áreas donde normalmente se encuentran los insectos, como por ejemplo, grietas y rajaduras.

Hormigas: Aplique alrededor de puertas, alrededor de marcos de ventanas, en los caminos de las hormigas y en otras zonas de entrada. Las hormigas bravas y faraonas se deben rociar directamente para que mueran.

Pulgas: Las pulgas se deben rociar directamente para que mueran.

Arañas: Las arañas se deben rociar directamente para que mueran.

Use para tratamiento localizado en espacios interiores

- A lo largo y detrás de bordes inferiores
- Alrededor y debajo de los electrodomésticos
- Debajo y detrás de fregaderos

Otras áreas donde a menudo se encuentran insectos:

En grietas y rajaduras; alrededor de tuberías y de instalaciones sanitarias; alrededor de los botes de basura; en rincones oscuros de habitaciones, gabinetes y closets

EN ESPACIOS EXTERIORES

No riegue la zona tratada hasta el punto de escurrimiento. No realice aplicaciones durante lluvias. Todas las aplicaciones en espacios exteriores deben limitarse a tratamientos localizados o para talar grietas y rajaduras exclusivamente, salvo los siguientes usos permitidos:

1. Tratamiento del suelo o vegetación alrededor de estructuras
2. Aplicaciones a céspedes y otra vegetación

Todas las aplicaciones en espacios exteriores a superficies impermeables como aceras, caminos de entrada de automóviles, patios, porches y superficies estructurales (como ventanas, puertas y aleros) se limitan a aplicaciones localizadas y para el tratamiento de grietas y rajaduras exclusivamente.

Se prohíbe la aplicación directa a alcantarillas o drenajes, así como a cualquier zona similar a una cuneta en la que pueda producirse el drenaje a alcantarillas, drenajes pluviales, masas de agua o hábitats acuáticos. No permita que el producto entre en ningún drenaje durante o después de su aplicación.

Para matar hormigas, cucarachas, arañas, pulgas, grillos, mariquitas asiáticas, chinches hediondas, cucarachas de caño y chinches de agua:

Agite bien antes de usar. Rocíe en los puntos de entrada comunes de los insectos alrededor de los edificios. Rocíe alrededor de los marcos de puertas y ventanas y en mosqueteros, porches y patios.

Hormigas: Rocíe los hormigueros, los nidos y caminos de las hormigas y otras zonas de entrada. Las hormigas bravas y faraonas se deben rociar directamente para que mueran.

Pulgas: Las pulgas se deben rociar directamente para que mueran.

Arañas: Las arañas se deben rociar directamente para que mueran.

Dirija el rocío lejos de las personas, las mascotas y las plantas.

ALMACENAMIENTO Y ELIMINACIÓN

Almacenamiento del pesticida: Guarde en un lugar fresco y seco que no sea accesible a los niños, lejos del calor o el fuego. ¡No lo perforo ni incinere!

Eliminación del pesticida y manipulación del envase: Envase no rellenable. No vuelva a usar ni a rellenar este envase. Si está vacío: Tirelo en la basura u ofrézcalo para reciclar, si existe esa opción. Si está parcialmente vacío: Llame a su servicio de eliminación de desechos más cercano para obtener instrucciones de eliminación.

DECLARACIONES PREVENTIVAS

Riesgos para el medio ambiente

Este pesticida es tóxico para los peces. No lo aplique directamente al agua.

Riesgos físicos o químicos

Contenido bajo presión. No lo use ni guarde cerca de una fuente de calor ni del fuego. No perforo ni incinere el envase. La exposición a temperaturas superiores a 130°F puede causar explosiones.

NOTA: Hasta el grado que sea compatible con la legislación pertinente, el comprador asume toda la responsabilidad para seguridad y uso que no estén de acuerdo con las instrucciones.

Preguntas o comentarios?

Llame al 1-800-917-5431.

*Excepto a las hormigas cosechadoras

**En superficies no porosas; excluye arañas, pulgas y hormigas carpinteras, faraonas y bravas



Federal regulations prohibit CFC propellants in aerosols.

FPO UPC replace and verify
readability 0 71121 96746 6

20 oz VALUE SIZE

GUARANTEED
TO WORK OR YOUR MONEY BACK*

HOT SHOT®



ANT, ROACH & SPIDER KILLER

Insecticida para hormigas, cucarachas y arañas

KILLS ON CONTACT*

FRESH FLORAL
scent

KILLS FOR UP TO 3 MONTHS**

- For Indoor & Outdoor Use
- Leaves No Oily Residue

Mata al contacto* - Mata hasta por 3 meses**

ACTIVE INGREDIENTS:

Imipralthrin

0.075%

Lambda-Cyhalothrin

0.025%

OTHER INGREDIENTS

99.900%

TOTAL

100.000%

*Excludes terms of guarantee, see back.

**Excludes harvesters and

On non-porous surfaces, excluding spiders, fleas, and

carpenter, pharaoh and fire ants

Net Wt 20 oz (1 lb 4 oz / 567 g)

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back for additional precautionary statements

MANTÉNGASE FUERA DEL

ALCANCE DE LOS NIÑOS

PRECAUCIÓN

Consulte la parte posterior para conocer las declaraciones preventivas adicionales.

- Hot Shot Fogger with Odor Neutralizer.

Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: Hot Shot Fogger₆ with Odor Neutralizer

Other Means of Identification:

Product Code HG-96180; HG-96181; HG-96181WMT; HG-96516; HG-96870
Formula Number 21-1317
EPA Reg. Number 9688-309-8845

Recommended Use: Insecticidal Fogger

Recommended Restrictions: Use in accordance with label directions

Manufacturer/Importer/Supplier/Distributor Information:

Company Name Spectrum Group, Division of United Industries Corporation
Address PO Box 142642, St. Louis, MO 63114-0642
Telephone Number 1-800-917-5431

Emergency Telephone Number:

CHEMTREC (800)424-9300
Medical (866)823-2749

Section 2 - HAZARD(S) IDENTIFICATION

Classification of Substance or Mixture:

Physical Hazard(s) Flammable Aerosol- Category 2
Gasses Under Pressure - Low Pressure Liquefied Gas
Health Hazard(s) Skin Irritant - Category 2

Label Elements:

Hazard Pictogram(s)



Signal Word

Warning

Hazard Statements:

Flammable aerosol
Contains gas under pressure; may explode if heated
Causes skin irritation
Precautionary Statements: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.
Wash hands thoroughly after handling. Wear protective gloves.
If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash it before reuse.

Hazard(s) not Otherwise Classified (HNOC): No additional information available

Supplemental Information: None

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS Number	%
Cypermethrin	n/a	52315-07-8	0.75
Tetramethrin	n/a	7696-12-0	0.05
Light aromatic naptha	n/a	64742-95-6	2.00
Petroleum distillates, hydrotreated light	n/a	64742-47-8	3.75
Isobutane	n/a	75-28-5	16.35
Propane	n/a	74-98-6	13.65

In accordance with paragraph (d) of 1910.1200, the exact percentage (concentration) has been withheld as a trade secret. Other components are below reportable levels.

Section 4 - FIRST-AID MEASURES

Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin Contact:	In case of contact, wash skin with plenty of water. If skin irritation or redness develops, seek medical attention.
Eye Contact:	In case of contact, flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.
Most Important Symptoms/Effects, Acute and Delayed:	Symptoms of exposure may include, irritation of eyes and nose, cough and/or shortness of breath.
Indication of Immediate Medical Attention & Special Treatment Needed:	Immediate medical attention should not be required.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Treat for surrounding material.
Unsuitable Extinguishing Media:	None known.
Specific Hazards Arising from the Chemical:	Products of combustion may include, and are not limited to: oxides of carbon.
Special Protective Equipment and Precautions for Firefighters:	Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respirator protection (SCBA).

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Methods and Materials for Containment and Cleaning Up:	Contain and/or absorb spill with inert material. Scoop up material and place in a disposable container. Then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use

Environmental Precautions: appropriate personal protective equipment (PPE).
Report spills as required by local and national regulations. Prevent entry into storm sewers and waterways.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Avoid breathing mist. Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Conditions for Safe Storage, Including any Incompatibilities: Keep out of reach of children. Keep container tightly closed. Keep away from heat/sparks/open flames/hot surfaces. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. (See section 10).

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Chemical Name	Exposure Limits					
	OSHA PEL		ACGIH TLV		Supplier OEL	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Petroleum distillates, hydrotreated light	-	-	-	TWA 200 (as total hydro-carbon vapor)	-	-
Isobutane	-	-	STEL 1000		-	-
Propane	TWA 1000	TWA 1800	TWA 1000	-	-	-

Appropriate Engineering Controls: General ventilation should be adequate for all normal use.

Individual Protective Measures, Such as Personal Protective Equipment:

Eye/face protection: None required for normal use. Avoid eye contact.

Skin and body protection: Wear protective gloves/protective clothing/eye protection/face protection.

Respiratory protection: Do not breathe mist.

General hygiene considerations: Do not eat, drink or smoke where material is handled, processed or stored. Wash hands after handling.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Opaque, White
Pressurized Liquid

Odor: Solvent & Pyrethroid

Odor Threshold: No data available

pH: 7.3 (liquid portion)

Melting / Freezing Point: No data available

Initial boiling point and range: No data available

Flashpoint: 114°F (liquid portion only)

Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	0.968 (liquid portion)
Solubility(ies):	Soluble in water
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

Section 10 - STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical stability:	Stable under normal storage conditions.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Heat. Incompatible materials.
Incompatible materials:	None known.
Hazardous decomposition products:	May include, and are not limited to oxides of carbon.

Section 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: Inhalation, Ingestion and/or skin or eye contact

Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Skin contact:	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Eye contact:	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Acute Toxicity Values:

Calculated overall Chemical Acute Toxicity Values (ATE)		
LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
>5000 mg/kg	>5000 mg/kg	>2.07 mg/L

Eye Contact:	Based on available data, the classification criteria are not met.
Skin Contact:	Based on available data, the classification criteria are not met.
Sensitization:	Based on available data, the classification criteria are not met.

**Chronic Effects-
Carcinogenicity:**

Ingredient	Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA)
None of the ingredients present in this product at or above 0.1% are listed as potential carcinogens on the NTP, IARC or OSHA lists.	

Reproductive Toxicity: Based on available data, the classification criteria are not met.
Germ Cell Mutagenicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

Comment: All information was generated using the GHS classification criteria for mixtures
and test data where available.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity: This product is classified as an acute aquatic toxicant category 1 and chronic
aquatic toxicant category 1.
Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects: No data available

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local, state/provincial and federal regulations. For more
information see product label.

Section 14 - TRANSPORTATION INFORMATION

DOT: UN Number: UN1950
Proper Shipping Name: Aerosols
Hazard Class: 2.1
Packing Group: None
Limited Quantity: ≤1L

IATA: UN Number: UN1950
Proper Shipping Name: Aerosols
Hazard Class: 2.1
Packing Group: None

IMDG: UN Number: UN1950
Proper Shipping Name: Aerosols
Hazard Class: 2.1

Packing Group:	None
Limited Quantity:	≤1L
Marine Pollutant:	Yes (Cypermethrin)

Section 15 - REGULATORY INFORMATION

EPA Pesticide Registration Number 9688-309-8845

Federal Insecticide, Fungicide, Rodenticide Act Regulations

This chemical is a pesticide product registered by the Environmental Protection Agency and is subjected to certain labeling requirements under the federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

CAUTION: KEEP OUT OF REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

CAUTION: Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco. Remove contaminated clothing. Breathing spray mist may be harmful.

FIRST AID: If on skin or clothing: take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice. Have the product and container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact 1-800-917-5431 for emergency medical treatment advice.

PHYSICAL or CHEMICAL HAZARDS: This product contains a highly flammable ingredient. It may cause fire or explosion if not used properly. Follow the "Directions for Use" on this can very carefully. Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

STORAGE AND DISPOSAL: **Storage:** Store in cool, dry area away from heat or open flame. Do not puncture or incinerate! **Disposal: If empty:** Place in trash or offer for recycling, if available. **If partly filled:** Call you local solid waste agency for disposal instructions.

EPA TSCA Inventory: All of the components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

Disclaimer:	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.
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Section 16 - OTHER INFORMATION

Issue date: August 27, 2019
Revision date: September 12, 2019
Version number: 1.1

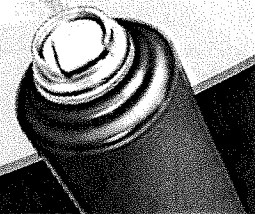
GUARANTEED! TO WORK, OR
YOUR MONEY BACK*

INSTRUCCIONES
EN ESPAÑOL
DENTRO DE LA CAJA

HOT SHOT

FOGGER⁶ WITH ODOR NEUTRALIZER

Nebulizador con neutralizador de olores₆



▼ INSTRUCCIONES EN ESPAÑOL DENTRO
DE LA CAJA. ABRA LA PARTE SUPERIOR.

STORAGE AND DISPOSAL

Storage: Store in cool, dry area away from heat or open flame. Do Not Puncture or Incinerate!
Disposal: If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals
CAUTION. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash before reuse. Breathing spray mist may be harmful.

First Aid

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.
Have the product container or label with you when calling a Poison Control Center or doctor, or going for emergency medical treatment information.

Physical or Chemical Hazards

This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow the "Directions for Use" on this box very carefully. Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.



Highly
Flammable
Ingredient
Ingrediente
Altamente
Inflamable

HOT SHOT

FOGGER⁶ WITH ODOR NEUTRALIZER

Nebulizador con neutralizador de olores₆

**KILLS ON CONTACT
CONTROLS HEAVY INFESTATIONS**

KEEPS KILLING UP TO 2 MONTHS
Kills Roaches, Fleas, Ants (except Fire Ants), Spiders
& other listed insects

WON'T LEAVE A WET, MESSY RESIDUE

Mata al contacto - Controla infestaciones severas

GUARANTEED! TO WORK, OR
YOUR MONEY BACK*

KILLS HIDDEN BUGS PENETRATES INTO CRACKS CREVICES & CARPET FIBERS

Mata insectos ocultos - Penetra en grietas,
rajaduras y fibras de alfombra

ONE CAN TREAT
UP TO 2,000 CU F
CONTAINS

3
(2 OZ) FOGGER:



INSTRUCCIONES
EN ESPAÑOL
DENTRO DE LA CAJA

Total Net Wt.
6 oz (170 g)

PROOF OF PURCHASE

FPO UPC

0 71121 96180 8

Distributed by Spectrum Group
Division of United Industries Corporation
PO Box 142642
St. Louis, MO 63114-0642
EPA Reg. No. 9688-309-9845
EPA Est. No. 9688-MO-1
16-11167 © 2014 UIC



NOTICE: To the extent consistent with applicable law, buyer assumes all responsibility for safety and use not in accordance with directions.

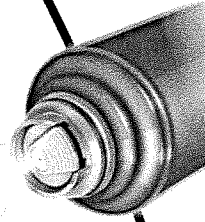


Questions or Comments?
Call 1-800-917-5431 or visit our website at
www.hotshot.com

***GUARANTEED!** If you are not satisfied with this product for any reason, send your written request for a refund to the address above, together with the original dated store receipt showing the price you paid. Please allow 6-8 weeks for processing.

HOT SHOT[®] FOGGER⁶ WITH[—] ODOR NEUTRALIZER

Nebulizador con neutralizador de olores⁶



Save For Future Use/Guarde para uso futuro

Save For Future Use/Guarde para uso futuro

HOT SHOT[®] FOGGER⁶ WITH[—] ODOR NEUTRALIZER

Nebulizador con neutralizador de olores⁶

Fill out and place hangtag on the door to the treated area to alert family and others with access to the treated area not to enter for two hours.

Total Release Fogger Use Area

Treated with Hot Shot[®] Fogger⁶ with Odor Neutralizer

Complete y coloque la etiqueta colgante en la puerta de la zona tratada para avisar a la familia y otras personas con acceso a la zona tratada que no entren durante dos horas.

Zona de uso de Nebulizador de liberación total

Tratado con Nebulizador con neutralizador de olores⁶ de Hot Shot[®]

Do Not Re-Enter until:	_____	ON	_____
Do Not Re-Enter until:	_____	ON	_____
Do Not Re-Enter until:	_____	ON	_____
No vuelva a ingresar hasta:	_____	EL	_____
No vuelva a ingresar hasta:	_____	EL	_____
No vuelva a ingresar hasta:	_____	EL	_____

HOT SHOT[®] FOGGER⁶ WITH[—] ODOR NEUTRALIZER

Nebulizador con neutralizador de olores⁶

Fill out and place hangtag on the door to the treated area to alert family and others with access to the treated area not to enter for two hours.

Total Release Fogger Use Area

Treated with Hot Shot[®] Fogger⁶ with Odor Neutralizer

Complete y coloque la etiqueta colgante en la puerta de la zona tratada para avisar a la familia y otras personas con acceso a la zona tratada que no entren durante dos horas.

Zona de uso de Nebulizador de liberación total

Tratado con Nebulizador con neutralizador de olores⁶ de Hot Shot[®]

Do Not Re-Enter until:	_____	ON	_____
Do Not Re-Enter until:	_____	ON	_____
Do Not Re-Enter until:	_____	ON	_____
No vuelva a ingresar hasta:	_____	EL	_____
No vuelva a ingresar hasta:	_____	EL	_____
No vuelva a ingresar hasta:	_____	EL	_____

ALMACENAMIENTO Y ELIMINACIÓN

Almacenamiento: Guarde en un lugar fresco y seco, lejos de fuentes de calor o del fuego. ¡No lo perforo ni incinere!

Eliminación: Si está vacío: Tiralo en la basura u ofrezcilo para recibir, si existe esa opción. Si está parcialmente vacío: Láme a su servicio de eliminación de desechos más cercano para obtener instrucciones de eliminación.

DECLARACIONES PREVENTIVAS

Riesgos para los seres humanos y los animales domésticos

PRECAUCIÓN: Evite el contacto con los ojos, la piel y la ropa. Lávese muy bien con agua y jabón después de manipular y antes de comer, beber, fumar o usar tabaco. Quite la ropa contaminada y lávese antes de volver a usar. Respirar la neblina del rocío puede ser nocivo.

Primeros Auxilios

Si entra en contacto con la piel o la ropa: Quite la ropa contaminada. Lave inmediatamente la piel con abundante agua durante 15 a 20 minutos. Lleve a un centro de control de envenenamientos o a un médico para recibir instrucciones de tratamiento. Cuando lleve a un centro de control de envenenamientos o a un médico, o intente obtener tratamiento, tenga a la mano el envase o la etiqueta del producto. También puede llamar al 1-800-917-5431 para obtener información acerca del tratamiento médico de urgencia.

Riesgos Físicos o Químicos

Este producto contiene un ingrediente muy inflamable. Puede provocar un incendio o una explosión si no se usa adecuadamente. Siga cuidadosamente las instrucciones que se indican en esta caja en "Modo de empleo". Contiene bajo presión. No lo use en atmósfera cerca de una fuente de calor ni del fuego. No perforo ni incinere el envase. La exposición a temperaturas superiores a 130°F puede causar explosiones.



Highly Flammable
Ingredient
Inflamable
Ingrediente

- Rescue Reusable Yellow jacket Trap.



Making pest control smarter.™

SAFETY DATA SHEET

Issuing Date 15-May-2013

Revision Date 14 April 2020

Revision Number 7



The supplier identified below generated this SDS using the UL SDS template. UL did not test, certify, or approve the substance described in this SDS, and all information in this SDS was provided by the supplier or was reproduced from publicly available regulatory data sources. UL makes no representations or warranties regarding the completeness or accuracy of the information in this SDS and disclaims all liability in connection with the use of this information or the substance described in this SDS. The layout, appearance and format of this SDS is © 2014 UL LLC. All rights reserved.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Rescue Reusable Yellowjacket Trap and Attractant

Other means of identification

Model Numbers YJTR, YJTA

Recommended use of the chemical and restrictions on use

Recommended Use Insecticide - Wasp and Hornet

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Sterling International, Inc
Supplier Address 3808 N Sullivan Rd Bldg. 16
Spokane, WA 99216 USA
Supplier Phone Number Phone:509-926-6766
Fax:509-928-7313
Supplier Email info@rescue.com
Emergency telephone number 509-926-6766

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)



GHS Label elements, including precautionary statements**Emergency Overview****Signal word****Warning****Hazard Statements**

H227 Flammable Liquid Category 4
H317 Skin Sensitization-May cause an allergic skin reaction
H320 Causes Eye Irritation
H335 May cause respiratory tract irritation

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces-no smoking
P235 Keep cool
P271 Use only outdoors or in well-ventilated area.
P302 + 333 + 352 IF ON SKIN or if skin irritation/rash occurs wash with plenty of soap and water
P305 + 351 + 338 IF IN EYES rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do. Continue rinsing
P337 + 313 If eye irritation persists get medical advice/attention
P306 + 363 IF ON CLOTHING wash contaminated clothing before reuse
P501 Dispose of contents/container in accordance with local regulations

Hazards not otherwise classified (HNOC) or not covered by GHS:**Precautionary Statements - Prevention**

Due to the extreme effectiveness of the attractant, use caution when placing and maintaining traps. Place and maintain traps in late evening or early morning **when** yellowjackets are less active. People allergic to yellowjacket stings should allow others to place and maintain traps for them. Yellowjacket stings can be fatal.

Precautionary Statements - Response

Wash hands and any exposed skin thoroughly after handling

Precautionary Statements - Storage

Store in a cool, dry, well-ventilated location out of reach of children and pets.

Precautionary Statements - Disposal

Deposit in trash for collection. Wash hands with soap and water.

Other information

The product contains no substances which at their given concentration are considered to be hazardous to health.

Appearance Clear**Physical State** Liquid**Odor** Sweet, Green Tea**Interactions with Other Chemicals**

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances, which at their given concentration, are considered to be hazardous to health.

Chemical Name	CAS No.	Weight-%	Trade Secret
Heptyl Butyrate	5870-93-9	99.8	N/A
Water	7732-18-5	0.2	N/A

4. FIRST AID MEASURES**First aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Skin Contact

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

Inhalation

Remove to fresh air. If symptoms persist, call a physician.

Ingestion

Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects None

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The contribution of the attractant itself to any fire load is small compared to the associated plastic and corrugated packaging.

Unsuitable extinguishing media

None

Specific Hazards Arising from the Chemical

No information available.

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with eyes.

Environmental Precautions

Environmental Precautions Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Storage Store in a cool, dry, well-ventilated location out of reach of children and pets.

Incompatible Products None known based on information supplied.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection No special protective equipment required.

Skin and Body Protection No special protective equipment required.

Respiratory Protection No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid	Odor	Sweet, Green Tea
Appearance	Clear	Odor Threshold	No information available
Color	None		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	5.6	1.0% (w/v) aqueous suspension
Melting / freezing point	No data available	
Boiling point / boiling range	437° F	
Flash Point	195° F	
Evaporation Rate	No data available	
Flammability (solid, gas)	Class IIIA Combustible liquid	
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	
Vapor density	No data available	
Specific Gravity	0.86	
Water Solubility	Low	
Solubility in other solvents	No data available	
Partition coefficient: n-octanol/water	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Explosive properties	No data available	
Oxidizing Properties	No data available	

Other Information

Softening Point	Not applicable
VOC Content (%)	0.0%
Particle Size	No data available
Particle Size Distribution	

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	Specific test data for the mixture is not available.
Eye Contact	Minimally Irritating. Very low Toxicity.
Skin Contact	Very low toxicity.
Ingestion	Very low toxicity.

Component Information

Chemical Name	Oral LDLo	Dermal LD50	Inhalation LC50
Heptyl Butyrate	5,000 mg/kg	>5,000 mg/kg	Not available

Information on toxicological effects

Symptoms	May cause redness and tearing of the eyes.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure



Sensitization	No information available.
Mutagenic Effects	No information available.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Reproductive Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic Toxicity	No known effect based on information supplied.
Target Organ Effects	None known.
Aspiration Hazard	No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document
Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Persistence and Degradability

No information available.

Bioaccumulation

No information available

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.
Contaminated Packaging	Dispose of contents/containers in accordance with local regulations.
California Hazardous Waste Codes	232

14. TRANSPORT INFORMATION



<u>DOT</u>	NOT REGULATED
Proper Shipping Name	NON-REGULATED
Hazard Class	N/A
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
Proper Shipping Name	NON-REGULATED
Hazard Class	N/A
<u>IMDG/IMO</u>	Not regulated
Hazard Class	N/A
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material



US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International Regulations

Canada

WHMIS Hazard Class

Non-controlled

16. OTHER INFORMATION

NFPA Health Hazards 1 Flammability 2 Instability/Reactivity 0 Physical/Chemical Hazards 0

HMIS Health Hazards 1 Flammability 2 Physical Hazard 0 Personal Protection X

Prepared By Sterling International, Inc.
 3808 N Sullivan RD BLDG 16
 Spokane Valley, WA 99216
 1-800-666-6766

Issuing Date 15-May-2013

Revisions Date 14 April 2020

Revision Note Changed classification to GHS Flammable Category 4

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet



W-H-Y® Trap for Wasps, Hornets and Yellowjackets

The **W-H-Y® TRAP for WASPS, HORNETS & YELLOWJACKETS** and the **W-H-Y® ATTRACTANT KIT** are proven to lure and trap the following species: Paper Wasp (*Polistes fuscatus*), European Paper Wasp (*P. dominulus*), Golden Paper Wasp (*P. aurifer*), Paper Wasp (*P. metricus*), Red Wasp (*P. carolina*), European Hornet (*Vespa crabro*), Bald-faced Hornet (*Dolichovespula maculata*), Aerial Yellowjacket (*D. arenaria*), Blackjacket (*Vespula consobrina*), California Yellowjacket (*V. sulphurea*), Common Yellowjacket (*V. vulgaris*), Eastern Yellowjacket (*V. maculifrons*), Forest Yellowjacket (*V. acadica*), German Yellowjacket (*V. germanica*), Northeastern Yellowjacket (*V. vidua*), Prairie Yellowjacket (*V. atropilosa*), Southern Yellowjacket (*V. squamosa*), Transition Yellowjacket (*V. flavopilosa*) and Western Yellowjacket (*V. pensylvanica*).

Keep Out of Reach of Children CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse. This product contains wasp, hornet and yellowjacket attractant. Wasp, hornet and yellowjacket stings can cause allergic reactions and death. Seek immediate medical attention if stung and an allergic reaction occurs.

FIRST AID

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

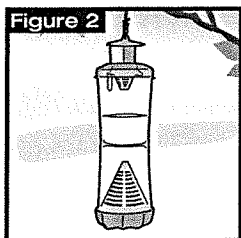
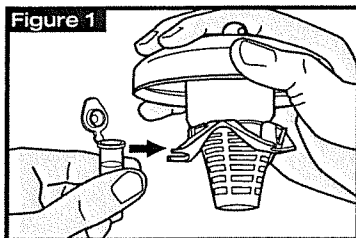
Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 AM to 4:30 PM Pacific Time.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For residential, commercial, and agricultural use. For non-food use only. Do not hang trap if you are allergic to wasp, hornet or yellowjacket stings.

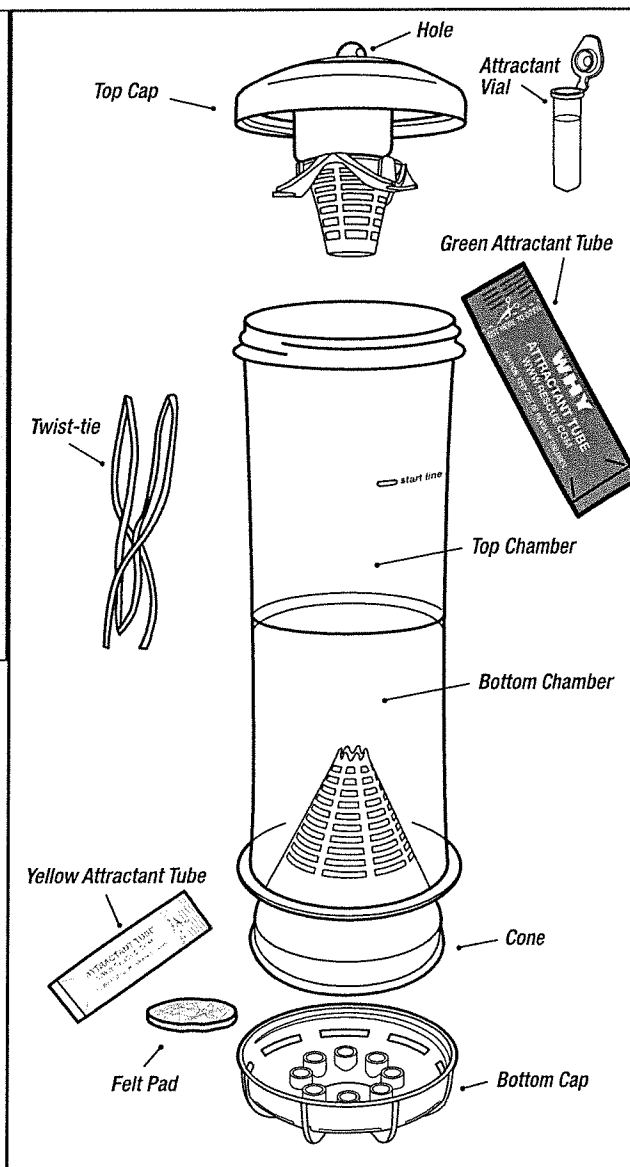
Initial Setup

1. Remove twist-tie and enclosed Attractant Vial and green Attractant Tube from top chamber.
2. Remove yellow Attractant Tube and felt pad from bottom chamber. (Leave cone in place.)
3. Bait the bottom chamber first:
 - a. Place felt pad into center of bottom cap.
 - b. Cut tip of yellow Attractant Tube.
 - c. Carefully empty attractant liquid onto felt pad.
 - d. Screw bottom cap back in place.
 - e. Set trap on flat surface.
4. Next, bait the top chamber:
 - a. Remove Attractant Vial from its plastic pouch.
 - b. Pop open lid to Attractant Vial and snap into one of three notches next to the cone in the top cap. (Figure 1)
 - c. Cut tip of green Attractant Tube and carefully pour liquid into top chamber.
 - d. Add water to top chamber so solution reaches the Start Line. Add 1-2 drops dishwashing liquid to the water mixture.*
 - e. Thread twist-tie through hole on top cap.
 - f. Screw top cap back on and hang trap outdoors. (Figure 2)
5. Wash hands with soap and water.



Trap Placement:

1. Hang trap outdoors, at least 20 feet away from plants grown for food or feed, building entries, and any known wasp, hornet or yellowjacket nests. Hang traps in late evening or early morning when wasps, hornets and yellowjackets are less active.
2. In extreme hot and dry weather, hang trap in the shade.



Catching the Queens:

Wasp, hornet and yellowjacket queens hibernate during the winter, then emerge to look for nest sites. Paper wasp queens are the first to emerge, usually in late winter. Hornet and yellowjacket queens emerge later, during the first warm days of spring. When you use the **W-H-Y® Trap** at that time, you can capture some queens and reduce the likelihood that a nest will be established nearby. Insects caught this early in the season may not be numerous, but each queen captured represents one less nest later on. Once queens begin nest building, the W-H-Y® Trap may have periods of lower catches until worker populations grow.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in a cool, dry, well-ventilated location out of reach of children and pets.

DISPOSAL: Deposit used attractant and attractant packaging in trash for collection. Wash hands with soap and water.

- Hot Shot Kitchen Bug Killer.

- Terro Ant Killer Liquid Ant Baits.

SAFETY DATA SHEET

Issuing Date 6/02/2015



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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier T300

Product Name Terro Ant Killer Liquid Ant Baits

Other means of identification

Synonyms Ant Bait

Recommended use of the chemical and restrictions on use

Recommended Use Insecticide - Crawling Bug - Non-Aerosol

Uses advised against It is a violation of Federal law to use this product in a manner inconsistent with its labeling

Details of the supplier of the safety data sheet

Supplier Name Senoret Chemical Company, Inc.

Supplier Address 69 North Locust St.

Lititz

PA

17543

US

Supplier Phone Number Phone:(717) 626-2125

Fax:(717) 626-1912

Contact Phone(800) 800-1819

Regulatory Licenses EPA Reg. No. 149-8

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

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GHS Label elements, including precautionary statements

Emergency Overview		
None of the ingredients of this material meet the definition of "Hazardous Chemical" given in OSHA Hazard communication regulation 29CFR1910.1200(C)		
Appearance Clear	Physical State Liquid	Odor Sweet

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

Other information

No information available

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Sucrose	57-50-1	40 - 70	*
Sodium borate	1303-96-4	3 - 7	*

*The exact percentage (concentration) of composition has been withheld as a trade secret



4. FIRST AID MEASURES

First aid measures

General Advice

Show this safety data sheet to the doctor in attendance.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Skin Contact

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

Inhalation

Remove to fresh air. If symptoms persist, call a physician.

Ingestion

Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available.

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with eyes.

Environmental Precautions

Environmental Precautions Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

STORAGE & DISPOSAL: Do not contaminate water, food, or feed by storage and disposal.

STORAGE: Store in a cool dry place. Do not store where children or animals may gain access.

PESTICIDE DISPOSAL AND CONTAINER HANDLING: Nonrefillable Container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled:

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sucrose 57-50-1	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Sodium borate 1303-96-4	STEL: 6 mg/m ³ inhalable fraction TWA: 2 mg/m ³ inhalable fraction	(vacated) TWA: 10 mg/m ³	TWA: 5 mg/m ³

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

Appropriate engineering controls

Engineering Measures	Showers
	Eyewash stations
	Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection	No special protective equipment required.
Skin and Body Protection	Wear protective gloves and protective clothing.
Respiratory Protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical and Chemical Properties**

Physical State	Liquid	Odor	Sweet
Appearance	Clear	Odor Threshold	No information available
Color	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	8.1	None known
Melting / freezing point	N/A / -13 °F	None known
Boiling point / boiling range	100 °C / 212 °F	None known
Flash Point	> 300 °F	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	1.21	None known
Water Solubility	Soluble in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing Properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation Specific test data for the substance or mixture is not available.

Eye Contact Specific test data for the substance or mixture is not available.

Skin Contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium borate 1303-96-4	= >5 g/kg (Rat)	> 5,000 mg/kg (Rabbit)	> 5 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium borate 1303-96-4				

Reproductive Toxicity No information available

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic Toxicity No known effect based on information supplied.

Target Organ Effects No information available

Aspiration Hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Persistence and Degradability

No information available.

Bioaccumulation

No information available

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

California Hazardous Waste Codes 232

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Sodium borate 1303-96-4	Toxic

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name
Hazard Class

NOT REGULATED
NON-REGULATED
N/A

TDG
Not regulated

MEX
Not regulated

ICAO
Not regulated

IATA
Proper Shipping Name
Hazard Class

Not regulated
NON-REGULATED
N/A

IMDG/IMO
Hazard Class

Not regulated
N/A

RID
Not regulated

ADR
Not regulated

ADN
Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA
DSL

Complies
All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List



US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Supplier Trade Secret		X	X		
Sodium borate 1303-96-4	X	X	X		X

EPA Pesticide Registration Number 149-8

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

Pesticide Label Signal Word: Caution

16. OTHER INFORMATION

NFPA	Health Hazards 1	Flammability 0	Instability 0	Physical and Chemical Hazards - Personal Protection X
HMIS	Health Hazards 1*	Flammability 0	Physical Hazard 0	

Chronic Hazard Star Legend * = Chronic Health Hazard

Prepared By Product Stewardship
 23 British American Blvd.
 Latham, NY 12110
 1-800-572-6501

Issuing Date 03-Nov-2010

Revision Date 05-Oct-2014

Revision Note No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet

TERRO

Ant KillerTM

Liquid Ant Baits

Mata hormigas, Cebos líquidos para hormigas

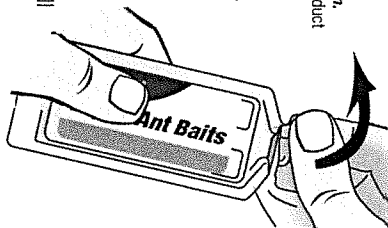
Directions for use

Instrucciones en Español dentro del cartón.
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

1 Break pre-filled baits apart.

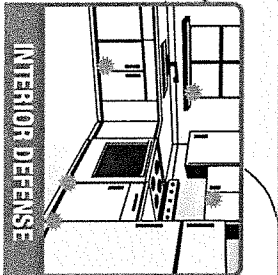
2 Hold bait upright and hold firmly with one hand while breaking off the bait pack tab

3 Place baits label side up near ant trails or close to where ants are numerous. Place additional baits anywhere ants may enter your home. For best results, use all 6 baits to ensure sufficient supply for the ants.

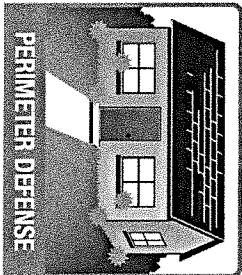


4 Monitor regularly for activity but do not interfere with the ants or baits. Replace with additional baits when first set is depleted.

5 Once ants are controlled, replace baits every 3 months to keep ants from returning.



INTERIOR DEFENSE



PERIMETER DEFENSE

Technical & Heavy-Duty Use

CONTROLLING AND ELIMINATING

ANTS: First ants will come in large numbers, but soon disappear. This product is specifically formulated to allow worker ants to consume the product and survive long enough to carry the liquid back to the nest and deliver a dose to the rest of the colony. The key to obtaining effective control is to monitor the placements and ensure there is always a fresh supply of TERRO® Liquid Ant Bait. Complete control may take up to two weeks.

DO NOT USE in edible product areas of food handling establishments, restaurants or other areas where food is commercially prepared or processed. Do not use in sewing areas while food is exposed. Avoid contamination of feed and foodstuffs. Place bait in areas inaccessible to children and pets.

STORAGE & DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

STORAGE: Store in a cool, dry place.

Do not store where children or animals may gain access.

PESTICIDE DISPOSAL AND CONTAINER

HANDLING: Nonrefillable Container. Do not reuse or refill this container.

If empty: Place in trash or offer for recycling if available. **If partly filled:**

Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

- Rescue Fly Trap Attractant.



Making pest control smarter.™

SAFETY DATA SHEET

Issuing Date No data available

Revision Date 2 November 2023

Revision Number 9



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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Rescue Fly Trap Attractant, Rescue Fly Trap Refill, Disposable Fly Trap, Big Bag Fly Trap, Reusable Fly Trap, Reusable Fly Trap Refill, POP! Fly Trap, POP! Fly Trap Refill, OrnamentTrap, Fly Trap Max, and Fly Trap Max Refill.

Other means of identification

Model Numbers FTA, FTD, BFTD, FTR, PFTA, PFTR, OTF, OFTI, FTM, FTMR

Recommended use of the chemical and restrictions on use

Recommended Use Pest Control

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Sterling International, Inc
Supplier Address 3808 N Sullivan Rd Bldg. 16
Spokane, WA 99216 USA
Supplier Phone Number Phone:509-926-6766
Fax:509-928-7313
Supplier Email info@rescue.com
Emergency telephone number 509-926-6766

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)



GHS Label elements, including precautionary statements

Emergency Overview		
Hazard Statements Read/See below		
Appearance Brown	Physical State Solid	Odor Musty





Signal word:

WARNING

**GHS Hazard Code: H303 May be Harmful if Swallowed
H317 May Cause Allergic Skin Reaction
H335 May Cause Respiratory Irritation**

**GHS Hazard Class: Acute Toxicity, Oral
Sensitization, Skin
Respiratory tract Irritation**

GHS Category: Category 1, 3, 5, 1A, 1B

Hazard Statements:

H303 May be harmful if swallowed
H317 May cause an allergic skin reaction
H335 May cause respiratory irritation

Precautionary Statements:

Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces-no smoking
P261 Avoid breathing vapors
P271 Use only outdoors or in well-ventilated area

Response:

P264 Wash hands thoroughly after handling
P302+P352 IF ON SKIN: Wash with plenty of soap and water
P304+314 IF INHALED get medical attention/advice if you feel unwell
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs get medical advice/attention
P363 Wash contaminated clothing before reuse

Storage:

P235 Keep cool
P402 Store in a dry place
P403+P233 Store in a well-ventilated place. Keep container tightly closed

Disposal:

P501

Dispose of contents/container in accordance with local/regional/national/international regulations

Appearance Brown**Physical State** Solid**Odor** Musty**Precautionary Statements - Prevention**

Wash face, hands, and any exposed skin thoroughly after handling

Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)

EyesIF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Skin

IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse

Precautionary Statements - Storage

Store in a cool, dry, well-ventilated location out of reach of children, pets, and livestock.

Precautionary Statements - Disposal

Deposit in trash for collection.

Hazards not otherwise classified (HNOC)

Not applicable

Other information

No information available

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Sucrose	57-50-1	42.1	
Whole Egg Solids	51609-52-0	18.0	
Yeast	68876-77-7	5.5	
Trimethylamine	75-50-3	2.8	
Indole	120-72-9	0.2	
Supplier Trade Secret	Proprietary	31.4	*

*The exact composition has been withheld as a trade secret

4. FIRST AID MEASURES**First aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. If symptoms persist, call a physician.

Skin Contact

Wash off immediately with soap and plenty of water for at least 15 minutes. In the case of skin irritation or allergic reactions see a physician.

Inhalation

Remove to fresh air. If symptoms persist, call a physician.

Ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician.



Self-protection of the first aider Avoid contact with skin, eyes, or clothing. Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects None

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The contribution of the attractant itself to any fire load is very small compared to the associated plastic and corrugated packaging.

Unsuitable extinguishing media

None

Specific Hazards Arising from the Chemical

No information available.

Uniform Fire Code

Nonflammable solid (as defined under 16 CFR Section 1500.44).

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Personal Precautions Avoid contact with skin, eyes, or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

Other Information Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions

Environmental Precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, or clothing. Do not eat, drink, or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool, and well-ventilated place.

Incompatible Products Strong acids. Strong oxidizing agents. Strong bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Each dose of attractant is packaged inside a water-soluble pouch which in turn is packaged inside a barrier pouch. There is no exposure to the contents under normal circumstances and the quantity of attractant is very low - maximum 2 ounces.

Exposure Guidelines

Not applicable

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems



Individual protection measures, such as personal protective equipment

Eye/Face Protection	None required under normal use conditions. If splashes are likely to occur, wear safety glasses with side shields (or goggles).
Skin and Body Protection	None required under normal use conditions. If splashes are likely to occur, wear protective gloves and protective clothing.
Respiratory Protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink, or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical and Chemical Properties**

Physical State	Solid	Odor	Musty
Appearance	Granular	Odor Threshold	No information available
Color	Brown		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	7.7	1.0% (w/v) aqueous suspension
Melting / freezing point	Not applicable	
Boiling point / boiling range	Not applicable	
Flash Point	Not applicable	
Evaporation Rate	Not applicable	
Flammability (solid, gas)	Solid-Not flammable Or combustible (as defined by OSHA Regulations)	
Flammability Limit in Air		
Upper flammability limit	Not applicable	
Lower flammability limit	Not applicable	
Vapor pressure	Not applicable	
Vapor density	Not applicable	
Specific Gravity	0.73	
Water Solubility	limited	
Solubility in other solvents	No data available	
Partition coefficient: n-octanol/water	No data available	
Autoignition temperature	Not applicable	
Decomposition temperature	No data available	
Kinematic viscosity	Not applicable	
Dynamic viscosity	Not applicable	
Explosive properties	Not applicable	
Oxidizing Properties	Not applicable	

Other Information

Softening Point	Not applicable
VOC Content (%)	0.0%
Particle Size	No data available
Particle Size Distribution	



10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Strong acids. Strong oxidizing agents. Strong bases.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation

Specific test data for the mixture is not available. May cause irritation of respiratory tract.

Eye Contact

Specific test data for the mixture is not available. Expected to be an irritant based on components. Irritating to eyes. May cause redness, itching, and pain. May cause temporary eye irritation.

Skin Contact

Specific test data for the mixture is not available. Expected to be an irritant based on components. Irritating to skin. Prolonged contact may cause redness and irritation.

Ingestion

The Oral LD50 is >5,000 mg/kg for the mixture which is categorized as "Practically Non-Toxic" or "Slightly Toxic." Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Fly Attractant	> 5,000 mg/kg (Rat)	Not available	Not available

Information on toxicological effects

Symptoms

Erythema (skin redness). May cause redness and tearing of the eyes.



Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available. Product contains egg.
Mutagenic Effects	No information available.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Reproductive Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic Toxicity	No known effect based on information supplied.
Target Organ Effects	Eyes. Skin.
Aspiration Hazard	No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)

7,174.00 mg/kg

ATEmix (inhalation-gas)

96,782.00 ppm (4 hr)

ATEmix (inhalation-dust/mist)

6.04 mg/l

ATEmix (inhalation-vapor)

237.00 ATEmix

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Persistence and Degradability

No information available.

Bioaccumulation

No information available

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

RCRA: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261, Subpart C). This material, as supplied, is exempt as a RCRA D001 (Ignitable) classified material. Material will not by itself sustain combustion. This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

California Hazardous Waste Codes 232

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Supplier Trade Secret	Corrosive
Trimethylamine	Toxic

14. TRANSPORT INFORMATION

DOT
 Proper Shipping Name NOT REGULATED
 Hazard Class NOT-REGULATED
 N/A

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA
 Proper Shipping Name Not regulated
 Hazard Class NOT-REGULATED
 N/A

IMDG/IMO
 Hazard Class Not regulated
 N/A

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION



International InventoriesTSCA
DSLComplies
All components are listed either on the DSL or NDSL.TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Trimethylamine	100 lb.	-	-	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Citric Acid			RQ Section number 180.950
Trimethylamine	100 lb.	-	RQ 100 lb. final RQ RQ 45.4 kg final RQ

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Sucrose		X	X		
Trimethylamine	X	X	X	X	X

International Regulations

Canada
WHMIS Hazard Class
D2B - Toxic materials



16. OTHER INFORMATION

NFPA	Health Hazards	1	Flammability	0	Instability	0	Physical and Chemical Hazards	0
HMIS	Health Hazards	1	Flammability	0	Physical Hazard	0	Personal Protection	X

Prepared By Sterling International, Inc.
3808 N Sullivan RD Bldg. 16
Spokane Valley, WA 99216 USA
1-800-666-6766

Revision Date 2 November 2023

Revision Note Updated physical chemistry to classify attractants as solids, updated GHS Hazard Codes, Classes, and categories. Updated Hazard & Precautionary Codes for consistency. Updated Uniform Fire Code—nonflammable/noncombustible solid. Updated RCRA information—nonignitable solid—not hazardous waste.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet



- Real-Kill Large Glue Traps.

Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: Real-Kill Large Glue Traps
Other Means of Identification:
Product Code HG-10096
Formula Number 21-1303
Recommended Use: Rodent Glue Trap
Recommended Restrictions: Use in accordance with label directions
Manufacturer/Importer/Supplier/Distributor Information:
Company Name Realex, Division of United Industries Corporation
Address PO Box 142642, St. Louis, MO 63114-0642
Telephone Number 1-800-974-1271
Emergency Telephone Number:
CHEMTREC (800)424-9300
Medical (866)823-2749

Section 2 - HAZARD(S) IDENTIFICATION

Classification of Substance or Mixture:
Physical Hazard(s) Not classified as a physical hazard
Health Hazard(s) Not classified as a health hazard
Environmental Hazard(s) Not classified as an environmental hazard

Label Elements:
Hazard Pictogram(s) None
Signal Word None
Hazard Statements: None
Precautionary Statements: None

Hazard(s) not Otherwise Classified (HNOC): No additional information available
Supplemental Information: None

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS Number	%
Non-Hazardous Ingredients	n/a	Mixture	100

In accordance with paragraph (d) of 1910.1200, the exact percentage (concentration) has been withheld as a trade secret. Other components are below reportable levels.

Section 4 - FIRST-AID MEASURES

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin Contact: In case of contact, wash skin with plenty of water. If skin irritation or redness develops,

	seek medical attention.
Eye Contact:	In case of contact, flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.
Most Important Symptoms/Effects, Acute and Delayed:	Symptoms of exposure may include, irritation of eyes and nose, cough and/or shortness of breath.
Indication of Immediate Medical Attention & Special Treatment Needed:	Immediate medical attention should not be required.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Treat for surrounding material.
Unsuitable Extinguishing Media:	None known.
Specific Hazards Arising from the Chemical:	Products of combustion may include, and are not limited to: oxides of carbon.
Special Protective Equipment and Precautions for Firefighters:	Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respirator protection (SCBA).

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Methods and Materials for Containment and Cleaning Up:	Scoop up material and place in a disposable container. Then place in a suitable container. Do not flush or allow to enter waterways. Use appropriate personal protective equipment (PPE).
Environmental Precautions:	Report spills as required by local and national regulations. Prevent entry into storm sewers and waterways.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling:	Avoid breathing vapors. Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.
Conditions for Safe Storage, Including any Incompatibilities:	Keep out of reach of children. Keep container tightly closed. (See section 10).

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters: None

Appropriate Engineering Controls: General ventilation should be adequate for all normal use.

Individual Protective Measures, Such as Personal Protective Equipment:

Eye/face protection: None required under normal use conditions.
Skin and body protection: None required under normal use conditions.
Respiratory protection: None required under normal use conditions.
General hygiene considerations: Do not eat, drink or smoke where material is handled, processed or stored. Wash hands after handling.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): No data available
Odor: No data available
Odor Threshold: No data available
pH: No data available
Melting / Freezing Point: No data available
Initial boiling point and range: No data available
Flashpoint: No data available
Evaporation Rate: No data available
Flammability (solid, gas): No data available
Upper/lower flammability or explosive limits: No data available
Vapor pressure: No data available
Vapor density: No data available
Relative density: No data available
Solubility(ies): Insoluble in water
Partition coefficient (n-octanol/water): No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available

Section 10 - STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.
Chemical stability: Stable under normal storage conditions.
Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.
Conditions to avoid: Heat. Incompatible materials.
Incompatible materials: None known.

Hazardous decomposition May include, and are not limited to oxides of carbon.

products:

Section 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: Inhalation, Ingestion and/or skin or eye contact

Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation: May cause respiratory tract irritation.
Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Acute Toxicity Values:

Calculated overall Chemical Acute Toxicity Values (ATE)		
LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
>2000 mg/kg	>2000 mg/kg	>5mg/l

Eye Contact: Based on available data, the classification criteria are not met.
Skin Contact: Based on available data, the classification criteria are not met.
Sensitization: Based on available data, the classification criteria are not met.

**Chronic Effects-
Carcinogenicity:**

Ingredient	Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA)
None of the ingredients present in this product at or above 0.1% are listed as potential carcinogens on the NTP, IARC or OSHA lists.	

Reproductive Toxicity: Based on available data, the classification criteria are not met.
Germ Cell Mutagenicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

Comment:

All information was generated using the GHS classification criteria for mixtures

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity: This product is not expected to be harmful to aquatic organisms
Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects: No data available

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local, state,/provincial and federal regulations. For more information see product label.

Section 14 - TRANSPORTATION INFORMATION

DOT: Not Regulated
IATA: Not Regulated
IMDG: Not Regulated

Section 15 - REGULATORY INFORMATION

Label Information:**FIFRA Labeling:**

This product is regulated by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Label Warnings

CAUTION: KEEP OUT OF REACH OF CHILDREN AND PETS. Do not place traps where birds or nontarget animals may come in contact. In case of accidental contact with glue, use vegetable or baby oil to remove from skin. Use paint thinner for easy cleanup on floors and other surfaces. Follow directions on paint thinner for proper use and warnings.

STORAGE AND DISPOSAL: Storage: Store in a dry place inaccessible to children and pets.

Disposal: Wrap glue trap in several layers of newspaper and discard in trash. Do not handle/touch rodents caught in trap. Rats and mice spread disease. Discard rat/mouse with trap. Wash hands thoroughly with soap and water after removal of used trap.

TSCA Inventory:

All of the components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

**SARA Hazard Category
(311/312):**

See OSHA hazards listed in section 2.

SARA 313:

Section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Disclaimer:

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Section 16 - OTHER INFORMATION

Issue date: April 15, 2019
Revision date: April 30, 2019
Version number: 1.0

- Real-Kill Glue Traps.

Section 1 - Product and Company Identification

Product Identifiers:

Product Name:	Real-Kill Glue Traps
EPA Registration Number:	N/A
Product Use:	Glue Trap

Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier:	Spectrum Group Division of United Industries Corp. P.O. Box 142642 St. Louis, MO 63114-0642
For product information:	1-800-897-8524
For medical emergencies:	1-800-633-2873

Section 2 - Hazards Identification

Conforms to Hazard Communication Standard 29 CFR 1910.1200.

GHS Classification of Substance or Mixture: Not classified as a physical hazard

GHS Label Elements:

Hazard pictogram(s):	None
Signal word:	None
Hazard statements:	None

Precautionary Statements: None

Section 3 - Composition / Information on Ingredients

Non-hazardous mixture of glue and sticky resins in a plastic tray.

NOTE: No reportable quantities of hazardous ingredients are present per OSHA 29 CFR 1910.1200. No toxic chemical(s) subject to reporting requirements of Section 313 of Title III and 40 CFR 372 are present.

Section 4 - First Aid Measures

Eye contact:	No special requirements
Skin contact:	No special requirements
Inhalation:	No special requirements
Ingestion:	No special requirements
Notes to physician:	None
General advice:	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep out of reach of children.

Section 5 - Fire Fighting Measures

Flammable properties:	Not flammable by OSHA criteria.
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Suitable extinguishing media:	Water fog, foam, CO ₂ , dry chemical
Unsuitable extinguishing media:	Not available
Specific hazards arising from the chemical:	Container may melt and leak in heat of fire. Do not allow run-off from firefighting to enter drains or water courses.
Protective equipment for firefighters:	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Hazardous combustion products:	None known
Sensitivity to mechanical impact:	None known
Explosion data:	Not available
Sensitivity to static discharge:	Not available
Personal precautions:	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Section 6 - Accidental Release Measures

Personal precautions:	Remove all sources of ignition. Wear personal protective equipment. Wash thoroughly after handling.
For emergency responders:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.
Environmental precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for containment and cleaning up:	Stop leak if without risk. Move containers from spill area. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with earth, sand or absorbent material swept up and placed in suitable, covered, and labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

Section 7 - Handling and Storage

Precautions for safe handling:	Put on appropriate personal protective equipment (see Section 8). Do not use near heat, open flame or any other ignition source. Avoid contact with skin, eyes and clothing. Use an appropriate respirator when adequate ventilation is not available. Avoid breathing vapors or spray mists of the product.
Storage:	Store product in a cool, dry place, out of reach of children. Keep container closed when not in use. Keep away from food, drink and animal feedingstuffs. Keep tightly closed. Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

Section 8 - Exposure Controls / Personal Protection

Exposure limits:	No exposure limits listed for this product.
Engineering controls:	General ventilation normally adequate.
Personal protective equipment:	
Eye/Face protection:	None required
Skin and body protection:	None required
Respiratory protection:	None required
General hygiene considerations:	Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

Section 9 - Physical & Chemical Properties

Appearance:	Plastic tray with glue resin
Color:	Black
Physical state:	Solid
Odor:	Odorless
Odor threshold:	No data available
pH:	N/A
Melting point:	N/A
Freezing point:	N/A
Boiling point:	N/A
Flash point:	N/A
Evaporation rate:	N/A
Flammability limits in air, lower, % by volume:	No data available
Flammability limits in air, upper, % by volume:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density @ 20°C:	N/A
Octanol/water coefficient:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Solubility:	N/A
% Volatile organic compounds:	0

Section 10 - Chemical Stability & Reactivity Information

Reactivity

Conditions to avoid:	Do not mix with other chemicals.
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Incompatible materials: Avoid strong oxidizers.

Chemical stability

Product stability: Stable under recommended storage conditions.

Other

Hazardous decomposition products: None known

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Section 11 - Toxicological Information

Primary eye irritation: Non-irritating (EPA tox. category IV)
Primary skin irritation: Non-irritating (EPA tox. category IV)
Acute dermal: LD₅₀ > 5000 mg/kg (EPA tox. category IV)
Acute inhalation: LC₅₀ > 2 mg/L (EPA tox. category IV)
Acute oral: LD₅₀ > 5000 mg/kg (EPA tox. category IV)
Sensitization: Not a skin sensitizer.
Chronic effects: No data available
Carcinogenicity: No data available
Mutagenicity: No data available
Reproductive effects: No data available
Teratogenicity: No data available
Ecotoxicity: No data available

Section 12 - Ecological Information

Environmental effects: No data available
Aquatic toxicity: None
Persistence / degradability: No data available
Bioaccumulation / accumulation: No data available
Partition coefficient: No data available
Mobility in environmental media: No data available
Chemical fate information: No data available

Section 13 - Disposal Considerations

Waste codes: Not available
Disposal instructions: Dispose in accordance with all applicable regulations.
Waste from residues/unused products: Not available
Contaminated packaging: Not available

Section 14 - Transportation Information

U.S. Department of Transportation (DOT): Not regulated

IATA:	Not regulated
IMDG:	Not regulated

Section 15 - Regulatory Information

29 CFR 1910.1200 hazardous chemical Occupational Safety and Health Administration (OSHA):	No
CERCLA (Superfund) reportable quantity:	Not available

Hazard Categories**Superfund Amendments and Reauthorization Act of 1986 (SARA):**

Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

Section 302 extremely hazardous Substance:	No
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Section 311 hazardous chemical:	No
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Clean Air Act (CAA):	Not available
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Clean Water Act (CWA):	Not available
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State regulations:	None
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FIFRA labeling:	This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace non-pesticide chemicals. Following is the hazard information as required on the pesticide label:
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Signal word:	CAUTION
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Precautionary statements:	Keep out of reach of children and pets. Do not place traps where birds or nontarget animals may come in contact. In case of accidental contact with glue, use vegetable or baby oil to remove from skin. Use paint thinner for easy cleanup on floors and other surfaces. Follow directions on paint thinner for proper use and warning.
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Notification status:	All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
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California Prop. 65:	This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.
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Disclaimer:	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.
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SECTION 16 - OTHER INFORMATION

HMIS ratings:	Health Hazard 1 Flammability 0 Physical Hazard 0
Item number(s):	HG-10095
Formula number(s):	21-1458
Issue date:	1/13/2016
Prepared by:	Realex Division of United Industries Corp. P.O. Box 142642 St. Louis, MO 63114-0642 (800) 242-1166

- Hot Shot Ultra Liquid Roach Bait.

Section 1 - Product and Company Identification

Product Identifiers:

Product Name: Hot Shot Ultra Liquid Roach Bait
EPA Registration Number: 9688-239-8845
Product Use: Insecticide – Crawling Bug, Non-aerosol

Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier: Spectrum Group
Division of United Industries Corp.
P.O. Box 142642
St. Louis, MO 63114-0642
For product information: 1-800-767-9927
For medical emergencies: 1-800-633-2873

Section 2 - Hazards Identification

Conforms to Hazard Communication Standard 29 CFR 1910.1200.

GHS Classification of Substance or Mixture:

GHS Label Elements:

Hazard pictogram(s): None
Signal word: None
Hazard statements: None

Precautionary Statements: None

Section 3 - Composition / Information on Ingredients

Chemical Name	CAS#	Weight Percent
Dinotefuran	165252-70-0	0.05%

Note: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

Section 4 - First Aid Measures

Eye contact: No special requirements
Skin contact: No special requirements
Inhalation: No special requirements
Ingestion: No special requirements
Notes to physician: None
General advice: If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep out of reach of children.

Section 5 - Fire Fighting Measures

Flammable properties: Not flammable by OSHA criteria.

Suitable extinguishing media:	Water fog, foam, CO ₂ , dry chemical
Unsuitable extinguishing media:	Not available
Specific hazards arising from the chemical:	Container may melt and leak in heat of fire. Do not allow run-off from firefighting to enter drains or water courses.
Protective equipment for firefighters:	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Hazardous combustion products:	None known
Sensitivity to mechanical impact:	None known
Explosion data:	Not available
Sensitivity to static discharge:	Not available
Personal precautions:	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Section 6 - Accidental Release Measures

Personal precautions:	Remove all sources of ignition. Wear personal protective equipment. Vapors can accumulate in low areas. Wash thoroughly after handling.
For emergency responders:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.
Environmental precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for containment and cleaning up:	Stop leak if without risk. Move containers from spill area. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with earth, sand or absorbent material swept up and placed in suitable, covered, and labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

Section 7 - Handling and Storage

Precautions for safe handling:	Put on appropriate personal protective equipment (see Section 8). Do not use near heat, open flame or any other ignition source. Avoid contact with skin, eyes and clothing. Use an appropriate respirator when adequate ventilation is not available. Avoid breathing vapors or spray mists of the product.
Storage:	Store product in a cool, dry place, out of reach of children. Keep container closed when not in use. Keep away from food, drink and animal feedingstuffs. Keep tightly closed. Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

Section 8 - Exposure Controls / Personal Protection

Exposure guidelines:

Components with Occupational Exposure Limits						
		Exposure Limits				
		OSHA PEL		ACGIH TLV		Supplier OEL
Chemical name		ppm	mg/m ³	ppm	mg/m ³	ppm mg/m ³
Dinotefuran	TWA	Not established		Not established		Not established

Engineering controls: General ventilation normally adequate.

Personal protective equipment:

Eye/Face protection: None required
Skin and body protection: None required
Respiratory protection: None required
General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

Section 9 - Physical & Chemical Properties

Appearance: Clear
Color: Water-white
Physical state: Liquid
Odor: Odorless
Odor threshold: No data available
pH: 4.7
Melting point: No data available
Freezing point: 32°F
Boiling point: >200°F
Flash point: >200°F
Evaporation rate: No data available
Flammability limits in air, lower, % by volume: No data available
Flammability limits in air, upper, % by volume: No data available
Vapor pressure: No data available
Vapor density: No data available
Relative density @ 20°C: 1.05
Octanol/water coefficient: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Solubility: Soluble in water
% Volatile organic compounds: 0

Section 10 - Chemical Stability & Reactivity Information

Reactivity

Conditions to avoid:	Do not mix with other chemicals.
Incompatible materials:	Avoid strong oxidizers.

Chemical stability

Product stability:	Stable under recommended storage conditions.
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Other

Hazardous decomposition products:	None known
Possibility of hazardous reactions:	Hazardous polymerization does not occur.

Section 11 - Toxicological Information

Primary eye irritation:	Non-irritating (EPA tox. category IV)
Primary skin irritation:	Non-irritating (EPA tox. category IV)
Acute dermal:	LD ₅₀ > 5000 mg/kg (EPA tox. category IV)
Acute inhalation:	LC ₅₀ > 2 mg/L (EPA tox. category IV)
Acute oral:	LD ₅₀ > 5000 mg/kg (EPA tox. category IV)
Sensitization:	Not a skin sensitizer.
Chronic effects:	No data available
Carcinogenicity:	No data available
Mutagenicity:	No data available
Reproductive effects:	No data available
Teratogenicity:	No data available
Ecotoxicity:	No data available

Section 12 - Ecological Information

Environmental effects:	No data available
Aquatic toxicity:	None
Persistence / degradability:	No data available
Bioaccumulation / accumulation:	No data available
Partition coefficient:	No data available
Mobility in environmental media:	No data available
Chemical fate information:	No data available

Section 13 - Disposal Considerations

Waste codes:	Not available
Disposal instructions:	Dispose in accordance with all applicable regulations.
Waste from residues/unused products:	Not available
Contaminated packaging:	Not available

Section 14 - Transportation Information

U.S. Department of Transportation (DOT):	Not regulated
U.S. Federal regulations:	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
IATA:	Not regulated
IMDG:	Not regulated

Section 15 - Regulatory Information

29 CFR 1910.1200 hazardous chemical Occupational Safety and Health Administration (OSHA):	No
CERCLA (Superfund) reportable quantity:	Not available

Hazard Categories**Superfund Amendments and Reauthorization Act of 1986 (SARA):**

Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

Section 302 extremely hazardous Substance: No

Section 311 hazardous chemical: No

Clean Air Act (CAA): Not available

Clean Water Act (CWA): Not available

State regulations: None

FIFRA labeling: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal word: CAUTION

Precautionary statements: Wash thoroughly with soap and water after handling bait stations.

Notification status: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Prop. 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

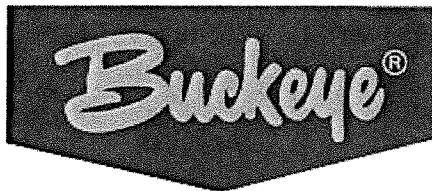
Disclaimer: Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed

that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

SECTION 16 - OTHER INFORMATION

HMIS ratings:	Health Hazard 0	Fire Hazard 0	Reactivity 0
Item number(s):	HG-95789		
Formula number(s):	21-0924		
Issue date:	12/16/2015		
Prepared by:	Spectrum Group Division of United Industries Corp. P.O. Box 142642 St. Louis, MO 63114-0642 (800) 242-1166		

- Buckeye Marauder.



Safety Data Sheet

Issue Date: 27-Dec-2011

Revision Date: 11-Apr-2018

Version 3

1. IDENTIFICATION

Product Identifier

Product Name Buckeye Marauder

Other means of identification

SDS # BE-5265

Product Code 5265

Recommended use of the chemical and restrictions on use

Recommended Use All Purpose Cleaner, Water Based.

Details of the supplier of the safety data sheet

Supplier Address

Buckeye International, Inc.
2700 Wagner Place
Maryland Heights, MO 63043 USA

Emergency Telephone Number

Company Phone Number 1-314-291-1900

Emergency Telephone (24 hr) Transportation - INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)
Medical - (International) 1-651-632-8956 (North America) 1-800-303-0441

2. HAZARDS IDENTIFICATION

Appearance Clear liquid

Physical state Liquid

Odor Fruity Floral Fragrance added

Classification

Per 29 CFR 1910.1200, this product has received further evaluation from the manufacturer. The test results provided are reflected in the classification below.

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

Signal Word

Warning

Hazard statements

Causes skin irritation
Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of water and soap
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse

Other hazards

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Alcohol Ethoxylate	34398-01-1	<7
Hydrogen Peroxide	7722-84-1	<13
Sodium xylenesulfonate	1300-72-7	<3
Perfume and Additives less than 1%	Proprietary	<2
Potassium Nitrate	7757-79-1	<1

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First Aid Measures**

Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact	IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Inhalation	Remove to fresh air.
Ingestion	Drink 2-3 large glasses of water. Do NOT induce vomiting. Call a physician. Never give anything by mouth to an unconscious person.

Most important symptoms and effects

Symptoms	Causes skin irritation. Can cause defatting of skin tissue. Causes serious eye irritation.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically. Dermatitis or other pre-existing skin conditions may be aggravated by overexposure to this product.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Combustion products may be toxic.

Hazardous Combustion Products Carbon oxides. Nitrogen oxides (NOx).

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Pick up with mop, wet/dry vac, or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Wash face, hands and any exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep container closed when not in use. Store at room temperature. Store locked up.

Incompatible Materials Chlorine bleach.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen Peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m ³ (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m ³	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ³

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Risk of contact: Wear approved safety goggles.

Skin and Body Protection Rubber gloves. Suitable protective clothing.

Respiratory Protection Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	Liquid	Odor	Fruity Floral Fragrance added
Appearance	Clear liquid	Odor Threshold	Not determined
Color	Clear		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	3.3-3.7 (conc.) 3.4-3.8 (1:10 dilution)		
Melting point / freezing point	Not determined		
Boiling Point / Boiling Range	100 °C / 212 °F		
Flash Point	None	Tag Closed Cup (Water = 1)	
Evaporation Rate	1.0		
Flammability (Solid, Gas)	Liquid-Not Applicable		
Flammability Limit in Air			
Upper Flammability Limit	Not Applicable		
Lower Flammability Limit	Not Applicable		
Vapor Pressure	Not determined		
Vapor Density	Not determined		
Relative Density	1.03		
Water Solubility	Infinite		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Autoignition temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep separated from incompatible substances. Keep out of reach of children.

Incompatible Materials

Chlorine bleach.

Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

The information below is for repeated and prolonged contact in an occupational setting. It does not apply to normal product use.

Eye Contact

Causes serious eye irritation.

Skin Contact

Causes skin irritation.

Inhalation

Avoid breathing vapors or mists.

Ingestion

Do not ingest.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrogen Peroxide 7722-84-1	= 1518 mg/kg (Rat)	= 9200 mg/kg (Rabbit)	= 2000 mg/m ³ (Rat) 4 h
Sodium xylenesulfonate 1300-72-7	= 1000 mg/kg (Rat)	-	-
Potassium Nitrate 7757-79-1	= 3015 mg/kg (Rat)	-	-

Information on physical, chemical and toxicological effects**Symptoms**

Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Carcinogenicity**

Nitrate or nitrite ingested under conditions that result in endogenous nitrosation are considered IARC group 2A carcinogens.

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrogen Peroxide 7722-84-1	A3	Group 3		
Potassium Nitrate 7757-79-1		Group 2A		X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

Group 3 IARC components are "not classifiable as human carcinogens"

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Component Information**Persistence/Degradability**

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Hydrogen Peroxide 7722-84-1	Toxic Corrosive Ignitable Reactive
Potassium Nitrate 7757-79-1	Ignitable Reactive

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Not determined

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Alcohol Ethoxylate	X	X	X		X	X	X	X
Hydrogen Peroxide	X	X	X	X	X	X	X	X
Sodium xylenesulfonate	X	X	X	X	X	X	X	X
Perfume and Additives less than 1%	X	X	X	X	X	X	X	X
Potassium Nitrate	X	X	X	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Hydrogen Peroxide 7722-84-1		1000 lb	

SARA 313

Not determined

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydrogen Peroxide 7722-84-1	X	X	X
Potassium Nitrate 7757-79-1	X	X	X

16. OTHER INFORMATION**NFPA****Health Hazards****Flammability****Instability****Special Hazards**

1

0

0

Not determined

HMIS**Health Hazards****Flammability****Physical hazards****Personal Protection**

Not determined

Not determined

Not determined

Not determined

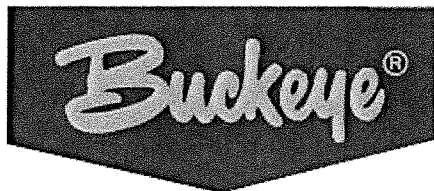
Issue Date: 27-Dec-2011
Revision Date: 11-Apr-2018
Revision Note: Regulatory Review

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

- Buckeye Terminator



Safety Data Sheet

Issue Date: 01-Apr-2014

Revision Date: 14-Sep-2017

Version 3

1. IDENTIFICATION

Product Identifier

Product Name Buckeye Terminator

Other means of identification

SDS # BE-5099

Product Code

5099

Registration Number(s)

EPA Reg. No. 6836-75-559

UN/ID No

UN1760

Recommended use of the chemical and restrictions on use

Recommended Use EPA registered disinfectant.

Details of the supplier of the safety data sheet

Supplier Address

Buckeye International, Inc.
2700 Wagner Place
Maryland Heights, MO 63043 USA

Emergency Telephone Number

Company Phone Number

1-314-291-1900

Emergency Telephone (24 hr)

Transportation - INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

Medical - (International) 1-651-632-8956 (North America) 1-800-303-0441

2. HAZARDS IDENTIFICATION

Emergency Overview This chemical is a product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-EPA registered chemicals. Please see Section 15 for additional EPA information.

Appearance Clear green liquid

Physical state Liquid

Odor Mild Fragrance added

Classification

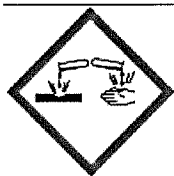
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1

Signal Word

Danger

Hazard statements

Causes severe skin burns and eye damage

**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a poison center or doctor/physician
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Nonylphenol Ethoxylate	127087-87-0	1.5-3.5
Di-n-alkyl Dimethyl Ammonium Chloride	68424-95-3	2.0-3.5
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	1.0-2.5
Ethyl Alcohol	64-17-5	0.5-1.0

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First Aid Measures**

Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
Skin Contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Take off contaminated clothing and wash it before reuse. Immediately call a poison center or doctor/physician.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Immediately call a poison center or doctor/physician.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person. Immediately call a poison center or doctor/physician.

Most important symptoms and effects

Symptoms	Causes severe skin burns and eye damage. Mist or vapor inhalation can cause irritation to the nose, throat, and upper respiratory tract. Ingestion may cause nausea and headache.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically. If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Dermatitis or other pre-existing skin conditions may be aggravated by overexposure to this product.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Dry chemical. Foam. Water.

Unsuitable Extinguishing Media Not determined.**Specific Hazards Arising from the Chemical**

Combustion products may be toxic.

Hazardous Combustion Products Carbon oxides. Nitrogen oxides (NOx). Hydrogen chloride.**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Use personal protective equipment as required.
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Environmental precautions

Environmental precautions	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS. See Section 12 for additional Ecological Information.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
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Methods for Clean-Up	Pick up with mop, wet/dry vac, or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.
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7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Wash face, hands and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray.
--------------------------------	--

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep container closed when not in use.
---------------------------	--

Packaging Materials Rinse container before discarding.

Incompatible Materials Chlorine bleach. Anionic detergents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Splash goggles or safety glasses.

Skin and Body Protection Rubber gloves. Normal work clothing (long sleeved shirts and long pants) is recommended. Wear water or chemical resistant footwear when scrubbing floors.

Respiratory Protection Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild Fragrance added
Appearance	Clear green liquid	Odor Threshold	Not determined
Color	Clear green		
Property	Values	Remarks • Method	
pH	11.8-12.2 (conc.) 9.7-10.7 (1:64 dilution)		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	>93.3 °C / >200 °F	Tag Closed Cup (Water = 1)	
Evaporation Rate	1.0		
Flammability (Solid, Gas)	Liquid-Not Applicable		
Flammability Limits in Air			
Upper Flammability Limits	Not Applicable		
Lower Flammability Limit	Not Applicable		
Vapor Pressure	Not determined		
Vapor Density	Not determined		
Relative Density	1.01		
Water Solubility	Infinite		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Keep separated from incompatible substances. Keep out of reach of children.

Incompatible Materials

Chlorine bleach. Anionic detergents.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes severe eye damage.

Skin Contact Causes severe skin burns.

Inhalation Avoid breathing vapors or mists.

Ingestion Do not ingest.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Nonylphenol Ethoxylate 127087-87-0	= 1310 mg/kg (Rat)	-	-
Alkyl dimethyl benzyl ammonium chloride (C12-16) 68424-85-1	= 426 mg/kg (Rat)	-	-
Ethyl Alcohol 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity The ingredient in this product is only classified as a carcinogen when consumed as an alcoholic beverage in long-term studies.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 64-17-5	A3	Group 1	Known	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
 A3 - Animal Carcinogen
 IARC (International Agency for Research on Cancer)
 Group 1 - Carcinogenic to Humans
 NTP (National Toxicology Program)
 Known - Known Carcinogen
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)
 X - Present

Numerical measures of toxicity

Not determined.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ethyl Alcohol 64-17-5		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static 9268 - 14221: 48 h Daphnia magna mg/L LC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Ethyl Alcohol 64-17-5	-0.32

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Ethyl Alcohol 64-17-5	Toxic Ignitable

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No UN1760
 Proper Shipping Name Corrosive liquid, n.o.s. (Dialkyldimethylammonium chloride)
 Hazard Class 8
 Packing Group II

IATA

UN/ID No UN1760
 Proper Shipping Name Corrosive liquid, n.o.s. (Dialkyldimethylammonium chloride)
 Hazard Class 8
 Packing Group II

IMDG

UN/ID No Not regulated
 UN1760
 Proper Shipping Name Corrosive liquid, n.o.s. (Dialkyldimethylammonium chloride)
 Hazard Class 8
 Packing Group II
 Marine Pollutant Not a marine pollutant

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Nonylphenol Ethoxylate	X	X	X	Present	X	Present	X	X
Di-n-alkyl Dimethyl Ammonium Chloride	X	X	X	Present	X	Present	X	X
Alkyl dimethyl benzyl ammonium chloride (C12-16)	X	X	X	Present	X	Present	X	X
Ethyl Alcohol	X	X	X	Present	X	Present	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Not determined

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Ethyl Alcohol - 64-17-5	Carcinogen Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X
Ethyl Alcohol 64-17-5	X	X	X

EPA Pesticide Registration Number EPA Reg. No 6836-75-559

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

Signal Word: Danger

Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective (rubber or chemical resistant) gloves and protective clothing. Harmful if swallowed or absorbed through the skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse

Difference between SDS and EPA pesticide label

	EPA	OSHA
Signal Word	Danger	Danger
Skin corrosion/irritation	Causes skin burns	Causes severe skin burns
Serious eye damage/eye irritation	Causes irreversible eye damage	Causes serious eye damage

16. OTHER INFORMATION**NFPA****Health Hazards****Flammability****Instability****Special Hazards**

3

1

0

Not determined

HMIS**Health Hazards****Flammability****Physical hazards****Personal Protection**

Not determined

Not determined

Not determined

Not determined

Issue Date:

01-Apr-2014

Revision Date:

14-Sep-2017

Revision Note:

Regulatory Update

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

- Oxivir Tb.

MATERIAL SAFETY DATA SHEET



Oxivir Tb

HMIS		NFPA	Personal protective equipment
Health	0	0	None / Aucune / Ninguno
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 2

Preparation date:2010-05-17

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Oxivir Tb

MSDS #: MS0200014

Product Code: 4277285, 4277293

Recommended use: Disinfectant / Deodorizer / Sanitizer. This product is intended to be used neat .

Manufacturer, importer, supplier:

US Headquarters
Diversey, Inc.
8310 16th St.
Sturtevant, Wisconsin 53177-1964
Phone: 1-888-352-2249
MSDS Internet Address: www.diversey.com

Canadian Headquarters
Diversey, Inc. - Canada, Inc.
2401 Bristol Circle
Oakville, Ontario L6H 6P1
Phone: 1-800-668-3131

Emergency telephone number: 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Principal routes of exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Eye contact: None known.

Skin contact: None known.

Inhalation: None known.

Ingestion: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Hydrogen peroxide	7722-84-1	0.1 - 1.5%	801	≈2000 mg/kg	≈2 mg/L (4 h)

4. FIRST AID MEASURES

Eye contact: Rinse with plenty of water.

Skin contact: Rinse with plenty of water.

Inhalation: No specific first aid measures are required.

Ingestion: No specific first aid measures are required.

Aggravated Medical Conditions: None known

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Specific hazards: Not applicable

Unusual hazards: None known

Specific methods: No special methods required

Special protective equipment for firefighters:As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Extinguishing media which must not be used for safety reasons:No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Not applicable.

**Environmental precautions
and clean-up methods:**

Clean-up methods - large spillage. Use appropriate containment to avoid environmental contamination. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Keep in suitable and closed containers for disposal. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling:

Handle in accordance with good industrial hygiene and safety practice.FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:

Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

No special ventilation requirements

Personal Protective Equipment

Eye protection:

No special requirements under normal use conditions.

Hand protection:

No special requirements under normal use conditions

Skin and body protection:

No special requirements under normal use conditions.

Respiratory protection:

No special requirements under normal use conditions.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Hydrogen peroxide	7722-84-1	1 ppm (TWA)	1 ppm (TWA) 1.4 mg/m ³ (TWA)	2 ppm (STEL) 3 mg/m ³ (STEL) 1 ppm (TWA) 1.5 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:Liquid

Appearance:Liquid Aqueous solution

Specific gravity:1.01

Vapor density:No information available

Boiling point/range:Not determined

Decomposition temperature:Not determined

Solubility:Completely Soluble

Solubility in other solvents:No information available

Partition coefficient (n-octanol/water):No information available

Elemental Phosphorus:0.12% by wt.

pH:3

Bulk density:No information available

Evaporation Rate:No information available

Color:ClearColorless

Odor:Characteristic

Melting point/range:Not determined

Autoignition temperature:No information available

Density:8.42lbs/gal1.01Kg/L

Flash point:>200°F>93.4°C

Viscosity:No information available

VOC:0.0% *

Dilution pH:3@RTU

Explosion limits:- upper:Not determined- **lower:**Not determined

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Stability:

The product is stable

Polymerization:

Hazardous polymerization does not occur

Hazardous decomposition products:

None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Oral, Dermal LD50 estimated to be greater than 5000 mg/kg.
Component Information: See Section 3

Chronic toxicity: None known

Specific effects

Carcinogenic effects: None known
Mutagenic effects: None known
Reproductive toxicity: None known
Target organ effects: None known

12. ECOLOGICAL INFORMATION

Environmental Information: No data available

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by storage or disposal

Waste from residues / unused products:

PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes.

Pesticide Storage:

Store in original container in areas inaccessible to children. Open dumping is prohibited. Do not reuse empty container

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law

Container Disposal:

Pesticide product disposal requirements vary by package size and type. Pesticides include disinfectants and sanitizers. See product label for complete disposal instructions. Always dispose of according to all federal, state and local applicable regulations.

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

U.S. Regulations

EPA Reg. No. :70627-56

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Hydrogen peroxide	7722-84-1	0.1 - 1.5%		1000	

SARA 311/312 Hazard Categories

Immediate: -
Delayed: -
Fire: -
Reactivity: -
Sudden Release of Pressure: -

16. OTHER INFORMATION

Reason for revision:	Not applicable
Prepared by:	NAPRAC
Additional advice:	None

Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

- Champion Sprayon X-it-out Vandal Mark Remover.



Issue date 26-Jan-2021

Safety Data Sheet

Version 3

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product name CHAMPION SPRAYON X-IT-OUT VANDAL MARK REMOVER
Chemical name 7-7786-2

Other means of identification

Product code FG 438-5149-12
Synonyms Graffiti Remover

Recommended use of the chemical and restrictions on use

Recommended Use Vandal mark remover.
Uses advised against Do not use to clean glass or wood surfaces. DO NOT USE ON FLOORS

Details of the supplier of the safety data sheet

Supplier Address	Manufacturer Address
Chase Products Co.	Chase Products Co.
2727 Gardner Road	2727 Gardner Road
Broadview, IL 60155	Broadview, IL 60155
708-865-1000	708-865-1000

Emergency Telephone Number

Company Phone Number 708-865-1000
24 Hour Emergency Phone Number 1-800-255-3924
Emergency telephone ChemTel 1-800-255-3924

2. Hazards Identification

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Gases)	Category 2
Acute toxicity - Inhalation (Vapors)	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 1B
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
FLAMMABLE AEROSOLS	Category 1
Gases Under Pressure	liquefied gas

Label Elements

EMERGENCY OVERVIEW

DANGER

hazard statements

HARMFUL IF SWALLOWED
Contains methanol, may cause blindness if swallowed.
Fatal if inhaled
CAUSES SKIN IRRITATION

Causes serious eye irritation
 May cause an allergic skin reaction
 May cause cancer
 Suspected of damaging fertility or the unborn child
 May cause respiratory irritation. May cause drowsiness or dizziness
 May cause damage to organs through prolonged or repeated exposure
 May be fatal if swallowed and enters airways
EXTREMELY FLAMMABLE AEROSOL
 Pressurized container: May burst if heated
 Contains gas under pressure; may explode if heated



Appearance Yellowish liquid

Physical State Aerosol

Odor Citrus odor

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Wear protective gloves, protective clothing, eye protection and face protection.
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Do not breathe fumes, mist, vapors or spray.
 Use only outdoors or in a well-ventilated area
 Wear respiratory protection
 Contaminated work clothing should not be allowed out of the workplace
 Wear protective gloves
 Keep away from heat, sparks, open flames and hot surfaces. — No smoking
 Pressurized container: Do not pierce or burn, even after use
 Do not spray on an open flame or other ignition source

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 Specific treatment is urgent. See additional cautionary statements and "NOTICE" on this label.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 Take off contaminated clothing and wash before reuse
 If skin irritation or rash occurs: Get medical advice/attention
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Immediately call a POISON CENTER or doctor
 IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER or doctor.
 Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other Information

- Harmful to aquatic life with long lasting effects
- MAY BE HARMFUL IF SWALLOWED

- May be harmful in contact with skin
- Toxic to aquatic life with long lasting effects

3. Composition/information on Ingredients

Synonyms Graffiti Remover.
 Chemical Family MIXTURES.
 Formula 7-7786-2

Chemical name	CAS No	weight-%	Trade secret
Naphtha (petroleum), heavy aromatic	64742-94-5	15-20	*
Toluene	108-88-3	15-20	*
Acetone	67-64-1	15-20	*
Dimethyl Glutarate	1119-40-0	15-20	*
Carbon Dioxide	124-38-9	1-5	*
Pine Oil	8002-09-3	1-5	*
Methyl alcohol	67-56-1	<3	*
Naphthalene	91-20-3	1-2	*
Cocamide diethanolamine	68603-42-9	1-2	*
D-Limonene	5989-27-5	1-5	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

FIRST AID MEASURES

Eye Contact Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin contact Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advise.

Inhalation If overcome by vapor, move person to fresh air. If person is not breathing, call 911 or an ambulance, then provide artifical respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advise.

Ingestion Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Contains petroleum distillates, do not induce vomiting because of aspiration neumonia hazard.

5. Fire-fighting measures

Suitable extinguishing media

Dry chemical, CO2 or water spray.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

This product is under pressure. Water spray may be used to cool cans in the vicinity of fire or excessive heat to prevent the explosion of the cans.

Hazardous combustion products Thermal decomposition may yield gases like nitrogen oxides, carbon monoxide and carbon dioxide.

Explosion data

Sensitivity to Mechanical Impact Contents under pressure. This product is extremely flammable. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Sensitivity to Static Discharge Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Use in well-ventilated area ONLY. NOTICE: Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. To avoid breathing vapor or spray mist open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or wear an appropriate, properly fitted respirator (NIOSH approved), or leave the area. NOTE: Follow respirator manufacturer's instructions carefully for respirator use.

For emergency responders Remove all sources of ignition.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

Methods for cleaning up Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for safe handling

Advice on safe handling Handle as an extremely flammable material. Avoid contact with skin, eyes and clothing. Store cans in a cool, dry place away from heat and open flame.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). **AEROSOL STORAGE LEVEL III (NFPA-30B).**

Incompatible Materials Avoid heat, open flame and contact with strong acids, strong bases and strong oxidizers.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³
Acetone 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors. (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³
Carbon Dioxide 124-38-9	STEL: 30000 ppm TWA: 5000 ppm	TWA: 5000 ppm TWA: 9000 mg/m ³ (vacated) TWA: 10000 ppm (vacated) TWA: 18000 mg/m ³ (vacated) STEL: 30000 ppm (vacated) STEL: 54000 mg/m ³	IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 30000 ppm STEL: 54000 mg/m ³
Methyl alcohol 67-56-1	STEL: 250 ppm TWA: 200 ppm S*	TWA: 200 ppm TWA: 260 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m ³ (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m ³ (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm STEL: 325 mg/m ³
Naphthalene 91-20-3	TWA: 10 ppm S*	TWA: 10 ppm TWA: 50 mg/m ³ (vacated) TWA: 10 ppm (vacated) TWA: 50 mg/m ³ (vacated) STEL: 15 ppm (vacated) STEL: 75 mg/m ³	IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m ³ STEL: 15 ppm STEL: 75 mg/m ³

Appropriate engineering controls

Engineering controls Use with adequate general or local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye/face Protection Conventional eyeglasses to guard against splashing.

Skin and Body Protection Chemical resistant gloves required.

Respiratory protection Use in well-ventilated area ONLY. NOTICE: Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. To avoid breathing vapor or spray mist open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or wear an appropriate, properly fitted respirator (NIOSH approved), or leave the area. NOTE: Follow respirator manufacturer's instructions carefully for respirator use.

General hygiene considerations Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State	Aerosol	Odor	Citrus odor
Appearance	Yellowish liquid	Odor threshold	No information available
Color	light yellow		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	Not applicable	Solvent-based product.	
Melting point/freezing point	Not applicable	No information available	
Boiling point/boiling range	Heavy Aromatic Solvent Naphtha 363-401 °F 183-205°C	No information available	
Flash Point	Not Available. This is an aerosol product for which Flame Projection is over 18 inches with 8 in flashback. Temperatures above 120 °F may cause cans to burst.	No information available	
Evaporation Rate	Faster than butyl acetate	No information available	
Flammability (solid, gas)		No information available	
Flammability Limits in Air		No information available	
Upper flammability limits	Not available		
Lower Flammability Limit	Not available		
Vapor pressure		No information available	
Vapor Density		No information available	
Relative Density	0.910 to 0.920 concentrate	No information available	
Water solubility	Insoluble in water	No information available	
Solubility in other solvents		No information available	
Partition coefficient		No information available	
Autoignition Temperature		No information available	
Decomposition temperature		No information available	
Kinematic viscosity		No information available	
Dynamic viscosity		No information available	
Explosive properties	No information available		
Oxidizing properties	No information available		
<u>Other Information</u>			
Softening point	No information available		
Molecular weight	No information available		
VOC content (%)	48.96%		
Density	7.62 b/gal		
Bulk Density	No information available		

10. Stability and Reactivity

Reactivity

Not applicable No data available

Chemical stability

Stable.

Possibility of hazardous reactions

Temperatures above 130 °F may cause cans to burst with force.

hazardous polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Temperatures above 122 °F (50 °C).

Incompatible Materials

Avoid heat, open flame and contact with strong acids, strong bases and strong oxidizers.

Hazardous decomposition products

Thermal decomposition may yield gases like nitrogen oxides, carbon monoxide and carbon dioxide.

11. Toxicological Information

Information on likely routes of exposure

Product Information	This product has not been tested as whole. See below for information on ingredients.
Inhalation	No data available.
Eye Contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Naphtha (petroleum), heavy aromatic 64742-94-5	> 5000 mg/kg (Rat)	> 2 mL/kg (Rabbit)	> 590 mg/m ³ (Rat) 4 h
Toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
Acetone 67-64-1	= 5800 mg/kg (Rat)	> 15700 mg/kg (Rabbit)	= 50100 mg/m ³ (Rat) 8 h
Dimethyl Glutarate 1119-40-0	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 5.6 mg/L (Rat) 4 h
Pine Oil 8002-09-3	= 3200 mg/kg (Rat)	= 400 mg/kg (Rabbit) = 5 g/kg (Rabbit)	> 3.79 mg/L (Rat) 4 h
Methyl alcohol 67-56-1	= 6200 mg/kg (Rat)	= 15800 mg/kg (Rabbit) = 15840 mg/kg (Rabbit)	= 22500 ppm (Rat) 8 h = 64000 ppm (Rat) 4 h
Naphthalene 91-20-3	= 1110 mg/kg (Rat) = 490 mg/kg (Rat)	= 1120 mg/kg (Rabbit) > 20 g/kg (Rabbit)	> 340 mg/m ³ (Rat) 1 h
Cocamide diethanolamine 68603-42-9	= 12400 µL/kg (Rat) > 5000 mg/kg (Rat)	> 2 g/kg (Rabbit)	-
D-Limonene 5989-27-5	= 4400 mg/kg (Rat) = 5200 mg/kg (Rat)	> 5 g/kg (Rabbit)	-

Information on toxicological effects

Symptoms	Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	May cause skin irritation and reddening after prolonged or repeated contact with skin.
Serious eye damage/eye irritation	Irritating to eyes.
irritation	May cause skin and eye irritation.
corrosivity	Not applicable.
sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3		Group 3		
Naphthalene 91-20-3	A3	Group 2A Group 2B	Reasonably Anticipated	X
Cocamide diethanolamine 68603-42-9		Group 2B		X
D-Limonene 5989-27-5		Group 2A Group 3		X

Reproductive toxicity	No information available.
STOT - single exposure	No information available.

STOT - repeated exposure No information available.
 Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information

Unknown acute toxicity -

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 1291 mg/kg
 ATEmix (dermal) 2054 mg/kg
 ATEmix (inhalation-gas) 393 mg/l
 ATEmix (inhalation-dust/mist) 1.9 mg/l
 ATEmix (inhalation-vapor) 12 mg/l

12. Ecological Information

ecotoxicity

6.1 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Naphtha (petroleum), heavy aromatic 64742-94-5	2.5: 72 h <i>Skeletonema costatum</i> mg/L EC50	1740: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 41: 96 h <i>Pimephales promelas</i> mg/L LC50 19: 96 h <i>Pimephales promelas</i> mg/L LC50 static 2.34: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 45: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through		0.95: 48 h <i>Daphnia magna</i> mg/L EC50
Toluene 108-88-3	12.5: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static 433: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	50.87 - 70.34: 96 h <i>Poecilia reticulata</i> mg/L LC50 static 12.6: 96 h <i>Pimephales promelas</i> mg/L LC50 static 14.1 - 17.16: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 15.22 - 19.05: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 54: 96 h <i>Oryzias latipes</i> mg/L LC50 static 5.89 - 7.81: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 11.0 - 15.0: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 5.8: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static 28.2: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static	EC50 = 19.7 mg/L 30 min	5.46 - 9.83: 48 h <i>Daphnia magna</i> mg/L EC50 Static 11.5: 48 h <i>Daphnia magna</i> mg/L EC50
Acetone 67-64-1		6210 - 8120: 96 h <i>Pimephales promelas</i> mg/L LC50 static 8300: 96 h <i>Lepomis macrochirus</i> mg/L LC50 4.74 - 6.33: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50	EC50 = 14500 mg/L 15 min	10294 - 17704: 48 h <i>Daphnia magna</i> mg/L EC50 Static 12600 - 12700: 48 h <i>Daphnia magna</i> mg/L EC50
Dimethyl Glutarate 1119-40-0		19.6 - 26.2: 96 h <i>Pimephales promelas</i> mg/L LC50 static		122.1 - 163.5: 48 h <i>Daphnia magna</i> mg/L EC50
Pine Oil 8002-09-3				17 - 28: 48 h <i>Daphnia magna</i> mg/L EC50 Flow through
Methyl alcohol 67-56-1		28200: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 100: 96 h <i>Pimephales promelas</i> mg/L	EC50 = 39000 mg/L 25 min EC50 = 40000 mg/L 15 min EC50 = 43000 mg/L 5 min	

		LC50 static 18 - 20: 96 h Oncorhynchus mykiss mg/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through		
Naphthalene 91-20-3	0.4: 72 h Skeletonema costatum mg/L EC50	5.74 - 6.44: 96 h Pimephales promelas mg/L LC50 flow-through 1.99: 96 h Pimephales promelas mg/L LC50 static 1.6: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.91 - 2.82: 96 h Oncorhynchus mykiss mg/L LC50 static 31.0265: 96 h Lepomis macrochirus mg/L LC50 static	EC50 = 0.93 mg/L 30 min EC50 > 20 mg/L 18 h	2.16: 48 h Daphnia magna mg/L LC50 1.96: 48 h Daphnia magna mg/L EC50 Flow through 1.09 - 3.4: 48 h Daphnia magna mg/L EC50 Static
Cocamide diethanolamine 68603-42-9		3.6: 96 h Brachydanio rerio mg/L LC50 semi-static		4.2: 24 h Daphnia magna mg/L EC50
D-Limonene 5989-27-5		0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50		

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical name	Partition coefficient
Naphtha (petroleum), heavy aromatic 64742-94-5	2.9 - 6.1
Toluene 108-88-3	2.7
Acetone 67-64-1	-0.24
Methyl alcohol 67-56-1	-0.77
Naphthalene 91-20-3	3.6

Other adverse effects

No information available

Ozone

This product does not contain CFCs or other ozone depleting substances. Federal regulations prohibit the use CFC propellants in aerosols.

13. Disposal Considerations**Waste treatment methods****Disposal of wastes**

Dispose of in accordance with federal, state and local regulations.

Contaminated packaging

Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Toluene 108-88-3	U220	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151		U220
Acetone		Included in waste stream:		U002

67-64-1		F039		
Methyl alcohol 67-56-1		Included in waste stream: F039		U154
Naphthalene 91-20-3	U165	Included in waste streams: F024, F025, F034, F039, K001, K035, K060, K087, K145		U165

Chemical name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Toluene 108-88-3			Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	
Naphthalene 91-20-3			Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

Chemical name	California Hazardous Waste Status
Toluene 108-88-3	Toxic Ignitable
Acetone 67-64-1	Ignitable
Methyl alcohol 67-56-1	Toxic Ignitable
Naphthalene 91-20-3	Toxic
D-Limonene 5989-27-5	Toxic

14. Transport Information

DOT

UN/ID no	Limited Quantity
Proper Shipping Name	Consumer Commodity
Hazard Class	ORM-D

IATA

UN/ID no	UN1950
Proper Shipping Name	Aerosols, flammable
Hazard Class	2.2

IMDG

UN/ID no	UN1950
Proper Shipping Name	Aerosols, flammable
Hazard Class	2.2
Marine pollutant	This product contains chemicals that are listed as marine pollutants.

15. Regulatory information**International Inventories**

TSCA All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

DSL All ingredients are listed or are excluded from listing on the DSL.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations**SARA 313**

This product contains the following toxic chemicals (above the de minimis level) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372. This information must be included in all SDSs that are copied and distributed for this material.

Chemical name	CAS No	weight-%	SARA 313 - Threshold Values %
Toluene - 108-88-3	108-88-3	15-20	1.0
Methyl alcohol - 67-56-1	67-56-1	<3	1.0
Naphthalene - 91-20-3	91-20-3	1-2	0.1

SARA 311/312 Hazard Categories

Acute Health Hazard	yes
Chronic Health Hazard	yes
Fire Hazard	yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene 108-88-3	1000 lb	X	X	X
Naphthalene 91-20-3	100 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Toluene 108-88-3	1000 lb 1 lb		RQ 1000 lb final RQ RQ 454 kg final RQ 1 lb final RQ

FG 438-5149-12 CHAMPION SPRAYON X-IT-OUT VANDAL MARK REMOVER

			RQ 0.454 kg final RQ
Acetone 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Methyl alcohol 67-56-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Naphthalene 91-20-3	100 lb 1 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ

US State Regulations
California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
Toluene - 108-88-3	Developmental
Methyl alcohol - 67-56-1	Developmental
Naphthalene - 91-20-3	Carcinogen
Cocamide diethanolamine - 68603-42-9	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Toluene 108-88-3	X	X	X
Acetone 67-64-1	X	X	X
Carbon Dioxide 124-38-9	X	X	X
Pine Oil 8002-09-3	X		
Methyl alcohol 67-56-1	X	X	X
Naphthalene 91-20-3	X	X	X

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other information

NFPA	Health Hazards 2	Flammability 4	Instability 1	Physical and chemical properties Not applicable
HMIS	Health Hazards 2*	Flammability 4	Physical hazards 1	Personal Protection B - Eyes and hands protection

Prepared by Regulatory Department
 Issue date 26-Jan-2021
 Revision note
 This SDS supersedes a previous SDS dated November 19, 2018.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

- Clorox Germicidal Bleach.

Issuing Date January 5, 2015

Revision Date July 24, 2018

Revision Number 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Clorox® Germicidal Bleach

Other means of identification

EPA Registration Number 67619-32

Recommended use of the chemical and restrictions on use

Recommended use Institutional hard surface disinfecting and sanitizing bleach

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address
The Clorox Company
1221 Broadway
Oakland, CA 94612

Phone: 1-510-271-7000

Emergency telephone number


Emergency Phone Numbers For Medical Emergencies, call: 1-800-446-1014
For Transportation Emergencies, call Chemtrec: 1-800-424-9300

2. HAZARDS IDENTIFICATION**Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

GHS Label elements, including precautionary statements**Emergency Overview**

Signal word		Danger	
Hazard Statements			
Causes severe skin burns and eye damage			
Causes serious eye damage			
			
Appearance	Clear, pale yellow	Physical State	Thin liquid
		Odor	Bleach

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.

Wear protective gloves, protective clothing, face protection, and eye protection such as safety glasses.

Precautionary Statements - Response

Immediately call a poison center or doctor.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

Wash contaminated clothing before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

Specific treatment (see supplemental first aid instructions on this label).

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents in accordance with all applicable federal, state, and local regulations.

Hazards not otherwise classified (HNOC)

Although not expected, heart conditions or chronic respiratory problems such as asthma, chronic bronchitis, or obstructive lung disease may be aggravated by exposure to high concentrations of vapor or mist.

Product contains a strong oxidizer. Always flush drains before and after use.

Unknown Toxicity

Not applicable.

Other information

Very toxic to aquatic life with long lasting effects.

Interactions with Other Chemicals

Reacts with other household chemicals such as toilet bowl cleaners, rust removers, acids, or products containing ammonia to produce hazardous irritating gases, such as chlorine and other chlorinated compounds.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
Sodium hypochlorite	7681-52-9	5 - 10	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First aid measures**

General Advice	Call a poison control center or doctor immediately for treatment advice. Show this safety data sheet to the doctor in attendance.
Eye Contact	Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin Contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation	Move to fresh air. If breathing is affected, call a doctor.
Ingestion	Have person sip a glassful of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice.
Protection of First-aiders	Avoid contact with skin, eyes, and clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects	Burning of eyes and skin.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically. Probable mucosal damage may contraindicate the use of gastric lavage.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

This product causes burns to eyes, skin, and mucous membranes. Thermal decomposition can release sodium chlorate and irritating gases and vapors.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation. Use personal protective equipment as required. For spills of multiple products, responders should evaluate the MSDSs of the products for incompatibility with sodium hypochlorite. Breathing protection should be worn in enclosed and/or poorly-ventilated areas until hazard assessment is complete.

Other Information Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental Precautions This product is toxic to fish, aquatic invertebrates, oysters, and shrimp. Do not allow product to enter storm drains, lakes, or streams. See Section 12 for ecological information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing. Do not eat, drink, or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Store away from children. Reclose cap tightly after each use. Store this product upright in a cool, dry area, away from direct sunlight and heat to avoid deterioration. Do not contaminate food or feed by storage of this product.

Incompatible Products Toilet bowl cleaners, rust removers, acids, and products containing ammonia.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hypochlorite 7681-52-9	None	None	None

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection If splashes are likely to occur: Wear safety glasses with side shields (or goggles) or face shield.

Skin and Body Protection Wear rubber or neoprene gloves and protective clothing such as long-sleeved shirt.

Respiratory Protection If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods. Remove and wash contaminated clothing before re-use. Do not eat, drink, or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical and Chemical Properties**

Physical State	Thin liquid	Odor	Bleach
Appearance	Clear	Odor Threshold	No information available
Color	Pale yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	~12	None known
Melting/freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	Not flammable	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	~1.1	None known
Water Solubility	Soluble	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive Properties	Not explosive	
Oxidizing Properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY**Reactivity**

Reacts with other household chemicals such as toilet bowl cleaners, rust removers, acids, or products containing ammonia to produce hazardous irritating gases, such as chlorine and other chlorinated compounds.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Toilet bowl cleaners, rust removers, acids, and products containing ammonia.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Exposure to vapor or mist may irritate respiratory tract and cause coughing. Inhalation of high concentrations may cause pulmonary edema.
Eye Contact	Corrosive. May cause severe damage to eyes.
Skin Contact	May cause severe irritation to skin. Prolonged contact may cause burns to skin.
Ingestion	Ingestion may cause burns to gastrointestinal tract and respiratory tract, nausea, vomiting, and diarrhea.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hypochlorite 7681-52-9	8200 mg/kg (Rat)	>10000 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms	May cause redness and tearing of the eyes. May cause burns to eyes. May cause redness or burns to skin. Inhalation may cause coughing.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
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Mutagenic Effects	No information available.
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Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.
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Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9	-	Group 3	-	-

*IARC (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans*

Reproductive Toxicity	No information available.
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STOT - single exposure	No information available.
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STOT - repeated exposure	No information available.
Chronic Toxicity	Carcinogenic potential is unknown.
Target Organ Effects	Respiratory system, eyes, skin, gastrointestinal tract (GI).

Aspiration Hazard	No information available.
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Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
54 g/kg
ATEmix (inhalation-dust/mist)
58 mg/L

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

This product is toxic to fish, aquatic invertebrates, oysters, and shrimp. Do not allow product to enter storm drains, lakes, or streams.

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Disposal methods**

Dispose of in accordance with all applicable federal, state, and local regulations. Do not contaminate food or feed by disposal of this product.

Contaminated Packaging

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

14. TRANSPORT INFORMATION**DOT**

Not restricted.

TDG

Not restricted for road or rail.

ICAO

Not restricted, as per Special Provision A197, Environmentally Hazardous Substance exception.

IATA

Not restricted, as per Special Provision A197, Environmentally Hazardous Substance exception.

IMDG/IMO

Not restricted, as per IMDG Code 2.10.2.7, Marine Pollutant exception.

15. REGULATORY INFORMATION**Chemical Inventories**

TSCA All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

DSL/NDSL All components are on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite 7681-52-9	100 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Sodium hypochlorite 7681-52-9	100 lb	—	RQ 100 lb final RQ RQ 45.4 kg final RQ

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

DANGER: CORROSIVE. Causes irreversible eye damage and skin burns. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wear protective eyewear and rubber gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the restroom. Avoid breathing vapors and use only in a well-ventilated area.

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Sodium hypochlorite 7681-52-9	X	X	X	X	
Sodium chlorate 7775-09-9	X	X	X		

International Regulations**Canada****WHMIS Hazard Class**

E - Corrosive material

**16. OTHER INFORMATION**

NFPA Health Hazard 3 Flammability 0 Instability 0 Physical and Chemical Hazards -

HMIS Health Hazard 3 Flammability 0 Physical Hazard 0 Personal Protection B

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Revision Date July 24, 2018

Revision Note Revised Section 1.

Reference 1064453/166081.094

General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

- Original Pine-Sol Multy-Surface Cleaner.



SAFETY DATA SHEET

Issuing Date January 5, 2015

Revision Date February 4, 2019

Revision Number 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Original Pine-Sol® Multi-Surface Cleaner

Other means of identification

EPA Registration Number 5813-101

Recommended use of the chemical and restrictions on use

Recommended Use General purpose household cleaner and disinfectant

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

The Clorox Company
1221 Broadway
Oakland, CA 94612

Phone: 1-510-271-7000

Emergency telephone number

Emergency Phone Numbers

For Medical Emergencies call: 1-800-446-1014
For Transportation Emergencies, call Chemtrec: 1-800-424-9300

2. HAZARDS IDENTIFICATION**Classification**

This mixture is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Label elements, including precautionary statements**Emergency Overview**

This product contains no substances which at their given concentration are considered to be hazardous to health.

Appearance Clear, amber**Physical State** Slightly viscous liquid**Odor** Pine**Precautionary Statements - Prevention**

None

Precautionary Statements - Response

None

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

6.8% of the mixture consists of ingredient(s) of unknown toxicity

Other information

May cause slight skin and eye irritation.

Interactions with Other Chemicals

May react with bleach-containing products or other household cleaners to produce hazardous gases.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
Alkyl alcohol alkoxylate	166736-08-9	3 - 7	*
Glycolic acid	79-14-1	1 - 5	*

* The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES**First aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

Eye Contact

Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.

Skin Contact

Rinse skin with plenty of soap and water.

Inhalation	Move to fresh air. If breathing is affected, call a doctor.
Ingestion	Call a poison control center or doctor for treatment advice. Have person sip a glassful of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects Mild irritation of eyes and skin.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available

Explosion Data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with eyes and skin.

Other Information Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental Precautions See Section 12 for additional ecological Information

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing. Do not eat, drink, or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool, and well-ventilated place.

Incompatible Products Products containing bleach and other household cleaners.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product contains no exposure guidelines.

Appropriate engineering controls

Engineering Measures None under normal use conditions.

Individual protection measures, such as personal protective equipment

Eye/Face Protection If splashes are likely to occur, wear safety glasses with side-shields. None required for consumer use.

Skin and Body Protection No special protective equipment required.

Respiratory Protection If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes, or clothing. Do not eat, drink, or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Slightly viscous liquid	Odor	Pine
Appearance	Clear	Odor Threshold	No information available
Color	Amber		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	2.1 – 2.6	None known
Melting/freezing point	No data available	None known
Boiling Point/Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	~1.0	None known
Water Solubility	Soluble in water.	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	~15 cP	None known
Explosive Properties	Not explosive	
Oxidizing Properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY**Reactivity**

May react with bleach-containing products or other household cleaners to produce hazardous gases.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

None known.

Incompatible materials

Products containing bleach and other household cleaners.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation	Exposure to vapor or mist may irritate respiratory tract.
Eye Contact	May cause eye irritation.
Skin Contact	Prolonged contact may cause irritation.
Ingestion	Ingestion may cause irritation to mucous membranes and gastrointestinal irritation, nausea, vomiting, and diarrhea.

Component information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glycolic acid 79-14-1	-	-	7.7 mg/L (Rat, 4 h)

Information on toxicological effects

Symptoms May cause redness and tearing of the eyes and skin redness.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Mutagenic Effects	No information available.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Reproductive Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic Toxicity	Carcinogenic potential is unknown.

Target Organ Effects Respiratory system, eyes, skin, gastrointestinal tract (GI).
Aspiration Hazard No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document Not applicable.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No information available.

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS**Disposal methods**

Dispose of in accordance with all applicable federal, state, and local regulations.

Contaminated Packaging

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION**Chemical Inventories**

TSCA All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

DSL/NDSL All components are on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION: Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

None known.

16. OTHER INFORMATION

NFPA	Health Hazard 0	Flammability 0	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 0	Flammability 0	Physical Hazard 0	Personal Protection A

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date January 5, 2015

Revision Date February 4, 2019

Reference 1092238/204495.001

General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

- Windex Glass and More Multi-Surface.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



WINDEX® GLASS & MORE MULTI-SURFACE

Version 1.4

Print Date 10/02/2020

Revision Date 06/20/2019

SDS Number 350000014153

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : WINDEX® GLASS & MORE MULTI-SURFACE

Recommended use : Hard Surface Cleaner

Restrictions on use : Use only as directed on label

Manufacturer, importer, supplier : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Telephone : +1-800-558-5252

Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406
24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

Labelling

Precautionary statements

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product does not contain hazardous chemicals at or above a reportable level as defined by OSHA 29 CFR 1910.1200

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**WINDEX® GLASS & MORE MULTI-SURFACE**

Version 1.4

Print Date 10/02/2020

Revision Date 06/20/2019

SDS Number 350000014153

4. FIRST AID MEASURES**Description of first aid measures**

- Eye contact** : No special requirements
- Skin contact** : No special requirements
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

Most important symptoms and effects, both acute and delayed

- Eyes** : No adverse effects expected when used as directed.
- Skin effect** : No adverse effects expected when used as directed.
- Inhalation** : No adverse effects expected when used as directed.
- Ingestion** : No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Container may melt and leak in heat of fire.
- Further information** : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



WINDEX® GLASS & MORE MULTI-SURFACE

Version 1.4

Print Date 10/02/2020

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SDS Number 350000014153

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wash thoroughly after handling.
- Environmental precautions** : Outside of normal use, avoid release to the environment.
- Methods and materials for containment and cleaning up** : Dike large spills.
Clean residue from spill site.

7. HANDLING AND STORAGE

- Handling**
- Precautions for safe handling** : Avoid contact with skin, eyes and clothing.
For personal protection see section 8.
KEEP OUT OF REACH OF CHILDREN AND PETS.
- Advice on protection against fire and explosion** : Normal measures for preventive fire protection.
- Storage**
- Requirements for storage areas and containers** : Keep container closed when not in use.
- Other data** : Stable under normal conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

- Respiratory protection** : No special requirements.
- Hand protection** : No special requirements.
- Eye protection** : No special requirements.
- Skin and body protection** : No special requirements.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

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Revision Date 06/20/2019

SDS Number 350000014153

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : blue

Odour : floral

Odour Threshold : Test not applicable for this product type

pH : 10.7
at (25 C)

Melting point/freezing point : 0 C

Initial boiling point and boiling range : 100 C

Flash point : does not flash

Evaporation rate : Test not applicable for this product type

Flammability (solid, gas) : Does not sustain combustion.

Upper/lower flammability or explosive limits : Test not applicable for this product type

Vapour pressure : Calculated 31.7 hPa

Vapour density : Test not applicable for this product type

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**WINDEX® GLASS & MORE MULTI-SURFACE**

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SDS Number 350000014153

Relative density	: 1.00 g/cm3 at 25 C
Solubility(ies)	: soluble
Partition coefficient: n-octanol/water	: Test not applicable for this product type
Auto-ignition temperature	: Test not applicable for this product type
Decomposition temperature	: Heating can release hazardous gases.
Viscosity, dynamic	: similar to water
Viscosity, kinematic	: similar to water
Oxidizing properties	: Test not applicable for this product type
Volatile Organic Compounds Total VOC (wt. %)*	: 0.2 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations
Other information	: None identified :

10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**WINDEX® GLASS & MORE MULTI-SURFACE**

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- Conditions to avoid** : Direct sources of heat.
- Incompatible materials** : Do not mix with bleach or any other household cleaners.
Strong bases
- Hazardous decomposition products** : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity** : LD50 > 5000 mg/kg
- Acute inhalation toxicity** : LC50 > 10 mg/L
- Acute dermal toxicity** : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

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Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : None known.

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

No environmental data required.

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport

Not classified as dangerous in the meaning of transport regulations.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**WINDEX® GLASS & MORE MULTI-SURFACE**

Version 1.4

Print Date 10/02/2020

Revision Date 06/20/2019

SDS Number 350000014153

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

State Right To Know

No components are subject to the Massachusetts Right to Know Act.		
No components are subject to the Minnesota "Right To Know" Act		
No components are subject to the New Jersey "Right To Know" Act		
Pennsylvania RTKL	Water	7732-18-5
	Ammonium Hydroxide	1336-21-6

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**WINDEX® GLASS & MORE MULTI-SURFACE**

Version 1.4

Print Date 10/02/2020

Revision Date 06/20/2019

SDS Number 350000014153

16. OTHER INFORMATION**HMIS Ratings**

Health	1
Flammability	0
Reactivity	0

NFPA Ratings

Health	1
Fire	0
Reactivity	0
Special	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by

SC Johnson Global Safety Assessment &
Regulatory Affairs (GSARA)

- Enz-All Professional Carpet Cleaner.



Safety Data Sheet

1. Identification

Product Information. 116331-104437-104130-116333-104129

Product Name: Enz-All

Recommended Use. Professional Carpet Cleaning

Uses advised against. Professional Use Only

Supplier. Legend Brands
Chemspec
15180 Josh Wilson Road
Burlington, WA 98233
E-Mail: sds@legendbrands.com
800-932-3030

Legend Brands
4520 Eastgate Parkway
Mississauga, ON L4W 3W6
800-932-3030

Emergency telephone number. INFOTRAC 1-800-535-5053 (North America)
+1-352-323-3500 (International)

2. Hazards Identification

Classification in accordance with the Workplace Hazardous Materials Information System (WHMIS) 2015 based on the Hazardous Products Regulations (HPR).

Acute Toxicity, Inhalation, category 4
Eye Irritation, category 2A

GHS Pictograms



Signal Word
Warning

Unknown Acute Toxicity
13.1% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS

Causes serious eye irritation.
Harmful if inhaled.

Precautionary Statements - Prevention.

Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash face, hands and any exposed skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, eye protection, face protection.

Precautionary Statements - Response.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER or doctor/physician if you feel unwell.
If eye irritation persists: Get medical advice or attention.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>HMIRA</u>
SODIUM TRIPOLYPHOSPHATE	7758-29-4	45-70	
Sodium carbonate	497-19-8	10-30	
ALCOHOLS, C6 -C12, ETHOXYLATED	68439-45-2	7-13	
ALCOHOLS, C10-16, ETHOXYLATED	68002-97-1	1-5	
Tetrasodium Pyrophosphate	7722-88-5	1-5	
calcium carbonate (inhalable)	471-34-1	0.1-1.0	
Alcohols, C10-14, ethoxylated	66455-15-0	0.1-1.0	
Phosphoric acid	7664-38-2	0.1-1.0	
Siloxanes and silanes, di-methyl, reaction products with silica / treated fumed silica	67762-90-7	0.1-1.0	

4. First-aid Measures

Description of first-aid measures.

General advice.

Call a physician if irritation develops or persists. When symptoms persist or in all cases of doubt seek medical advice.

Inhalation.

Move to fresh air.

Skin contact.

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

Eye contact.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

Ingestion.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Gently wipe or rinse the inside of the mouth with water.

Symptoms.

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

Notes to physician.

Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media.

Suitable extinguishing media.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons.

High volume water jet.

Special hazards arising from the substance or mixture.

No information available.

Advice for firefighters.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.

Personal precautions.

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

Advice for emergency responders.

Use personal protection recommended in Section 8.

Environmental precautions.

Prevent product from entering drains. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up.

Methods for Containment.

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

Methods for cleaning up.

Use personal protective equipment as required.

Reference to other sections.

See section 8 for more information.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities.

Advice on safe handling.

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures.

See section 7 for more information.

Storage Conditions.

Keep containers tightly closed in a cool, well-ventilated place.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Phosphoric acid	1 mg/m ³	3 mg/m ³	1 mg/m ³	N.E.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures.

Showers, eyewash stations, and ventilation systems.

Personal protective equipment.

Eye/Face Protection.

Safety glasses with side-shields.

Skin and body protection.

Wear suitable protective clothing.

Respiratory protection.

In case of insufficient ventilation wear suitable respiratory equipment.

9. Physical and chemical properties.

Information on basic physical and chemical properties.

Physical state	Powder
Appearance	Powder
Color	Off-white

Odor	Downey-like
Odor Threshold	No Information
pH	10.36
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	No Information
Boiling point/boiling range., °C (°F)	206 - 298 (402.8 - 568.4)
Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm ³)	0.730
Water solubility.	Soluble in water
Partition coefficient.	No Information
Autoignition temperature., °C	No Information
Decomposition Temperature °C.	No Information
Viscosity, kinematic.	No Information

Other information.

Volatile organic compounds (VOC) content.	<0.2%
Density, lb/gal	No Information

10. Stability and Reactivity

Reactivity.

Stable under normal conditions.

Chemical stability.

Stable under recommended storage conditions.

Possibility of hazardous reactions.

None known based on information supplied.

Conditions to Avoid.

None known.

Incompatible Materials.

None known based on information supplied.

Hazardous Decomposition Products.

None known.

11. Toxicological Information

Information on toxicological effects.**Acute toxicity.****Product Information**

No Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral)	16,070.7 mg/kg
ATEmix (dermal)	8,816.0 mg/kg
ATEmix (inhalation - dust/mist)	4.97 mg/l

Component Information.

CAS-No.	Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
497-19-8	Sodium carbonate	4090 mg/kg Rat	2002	0.8 mg/l Guinea pig (Dust)
68439-45-2	ALCOHOLS, C6 -C12, ETHOXYLATED	N.I.	2500	N.I.
7722-88-5	Tetrasodium Pyrophosphate	1000 - 3000 mg/kg Rat	N.I.	N.I.
471-34-1	calcium carbonate (inhalable)	6450 mg/kg Rat	>2000 mg/kg Rat	N.I.

7664-38-2 Phosphoric acid

1530 mg/kg Rat

2740 mg/kg
Rabbit

N.I.

N.I. = No Information

Skin corrosion/irritation.

SKIN IRRITANT.

Eye damage/irritation.

No Information

Respiratory or skin sensitization.

No Information

Ingestion.

No Information

Germ cell mutagenicity.

No Information

Carcinogenicity.

No Information

Reproductive toxicity.

No Information

Specific target organ systemic toxicity (single exposure).

No Information

Specific target organ systemic toxicity (repeated exposure).

No Information

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information**Toxicity.**

80.21% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Sodium carbonate 497-19-8	-	LC50 96 h <i>Lepomis macrochirus</i> 300 mg/L, LC50 96 h <i>Pimephales</i> <i>promelas</i> 310 - 1220 mg/L	EC50 48 h <i>Daphnia magna</i> 265 mg/L

Persistence and degradability.

No data are available on the product itself.

Bioaccumulative potential.

Discharge into the environment must be avoided.

Mobility in soil.

No information

Other adverse effects.

No information

13. Disposal Considerations**Waste Disposal Guidance.**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information**DOT**

Shipping Name: Not Regulated

IMDG

Proper Shipping Name: not regulated

IATA

Proper Shipping Name: Not regulated

15. Regulatory Information**International Inventories:**

TSCA	Complies
DSL	Complies
DSL/NDSL	Complies
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AIIC	-
NZIoC	-
TCSI	
TSCA	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL	Canadian Domestic Substances List.
DSL/NDSL	Canadian Domestic Substances List/Canadian Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
ENCS	Japan Existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances.
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AIIC	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.
TCSI	Taiwan Chemical Substance Inventory

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class D2B

16. Other Information

Revision Date: 6/30/2023 **Supersedes Date:** 7/22/2022

Reason for revision: Product Composition Changed
 Substance and/or Product Properties Changed in Section(s):
 01 - Product Information
 03 - Composition/Information on Ingredients
 12 - Ecological Information
 Substance Hazard Threshold % Changed
 Substance Hazardous Flag Changed
 Substance CAS Number Changed
 Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	3	Flammability:	0	Physical Hazard:	0	Personal Protection:	X
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NFPA Ratings:

Health:	3	Flammability:	0	Instability:	0	Physical & Chemical:	-
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

- All Fiber Rinse.

Safety Data Sheet

1. Identification

Product Information. S112

Product Name: All Fiber Rinse (Powder)

Recommended Use. Professional Carpet Cleaning

Uses advised against. Professional Use Only

Supplier. Legend Brands
Prochem
15180 Josh Wilson Road
Burlington, WA 98233
E-Mail: sds@legendbrands.com
800-932-3030

Legend Brands
4520 Eastgate Parkway
Mississauga, ON L4W 3W6
800-932-3030

Emergency telephone number. INFOTRAC 1-800-535-5053 (North America)
+1-352-323-3500 (International)

2. Hazards Identification

Classification in accordance with the Workplace Hazardous Materials Information System (WHMIS) 2015 based on the Hazardous Products Regulations (HPR).

Eye Irritation, category 2A

GHS Pictograms



Signal Word
Warning

Unknown Acute Toxicity

< 0.1% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS

Causes serious eye irritation.

Precautionary Statements - Prevention.

Wash face, hands and any exposed skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>HMIRA</u>
SODIUM TRIPOLYPHOSPHATE	7758-29-4	30-60	
Citric acid	77-92-9	15-40	
Ethoxylated alcohols, C9-C11	68439-46-3	1-5	
Tetrasodium Pyrophosphate	7722-88-5	1-5	
Alcohols, C10-14, ethoxylated	66455-15-0	0.1-1.0	

4. First-aid Measures

Description of first-aid measures.

General advice.

Call a physician if irritation develops or persists. When symptoms persist or in all cases of doubt seek medical advice.

Inhalation.

Move to fresh air.

Skin contact.

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

Eye contact.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

Ingestion.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Gently wipe or rinse the inside of the mouth with water.

Symptoms.

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

Notes to physician.

Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media.

Suitable extinguishing media.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons.

High volume water jet.

Special hazards arising from the substance or mixture.

No information available.

Advice for firefighters.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.

Personal precautions.

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

Advice for emergency responders.

Use personal protection recommended in Section 8.

Environmental precautions.

Prevent product from entering drains. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up.

Methods for Containment.

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

Methods for cleaning up.

Use personal protective equipment as required.

Reference to other sections.

See section 8 for more information.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities.

Advice on safe handling.

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures.

See section 7 for more information.

Storage Conditions.

Keep containers tightly closed in a cool, well-ventilated place.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
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Contains no substances with occupational exposure limit values.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures.

Showers, eyewash stations, and ventilation systems.

Personal protective equipment.

Eye/Face Protection.

Safety glasses with side-shields.

Skin and body protection.

Wear suitable protective clothing.

Respiratory protection.

In case of insufficient ventilation wear suitable respiratory equipment.

9. Physical and chemical properties.

Information on basic physical and chemical properties.

Physical state	Powder
Appearance	Granules
Color	White
Odor	Floral
Odor Threshold	No Information
pH	No Information
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	No Information
Boiling point/boiling range., °C (°F)	260 (500)
Evaporation rate	No Information
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm ³)	1.359
Water solubility.	Soluble in water

Partition coefficient.	No Information
Autoignition temperature., °C	No Information
Decomposition Temperature °C.	No Information
Viscosity, kinematic.	No Information

Other information.

Volatile organic compounds (VOC) content.	No Information
Density, lb/gal	11.318

10. Stability and Reactivity

Reactivity.

Stable under normal conditions.

Chemical stability.

Stable under recommended storage conditions.

Possibility of hazardous reactions.

None known based on information supplied.

Conditions to Avoid.

None known.

Incompatible Materials.

None known based on information supplied.

Hazardous Decomposition Products.

None known.

11. Toxicological Information

Information on toxicological effects.**Acute toxicity.****Product Information**

No Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 60,606.1 mg/kg

Component Information.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
77-92-9	Citric acid	11700 mg/kg Rat	N.I.	N.I.
7722-88-5	Tetrasodium Pyrophosphate	1000 - 3000 mg/kg Rat	N.I.	N.I.

N.I. = No Information

Skin corrosion/irritation.

SKIN IRRITANT.

Eye damage/irritation.

No Information

Respiratory or skin sensitization.

No Information

Ingestion.

No Information

Germ cell mutagenicity.

No Information

Carcinogenicity.

No Information

Reproductive toxicity.

No Information

22-Nov-2022 S112 (CA GHS SDS/English)

Specific target organ systemic toxicity (single exposure).

No Information

Specific target organ systemic toxicity (repeated exposure).

No Information

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information**Toxicity.**

58.75% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Citric acid 77-92-9	-	LC50 96 h <i>Lepomis macrochirus</i> 1516 mg/L	-

Persistence and degradability.

No data are available on the product itself.

Bioaccumulative potential.

Discharge into the environment must be avoided.

CAS-No.

77-92-9

Chemical Name

Citric acid

log POW

-1.72

Mobility in soil.

No information

Other adverse effects.

No information

13. Disposal Considerations**Waste Disposal Guidance.**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information**DOT**

Hazard Class: Not regulated

IMDG

Proper Shipping Name: Not regulated

IATA

No Information

Additional Information: Not regulated

Additional Information

Not recommended for air transport

15. Regulatory Information**International Inventories:**

TSCA	Complies
DSL	-
DSL/NDL	Complies
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AIIC	Complies
NZIoC	-

TCSI

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL	Canadian Domestic Substances List.
DSL/NDL	Canadian Domestic Substances List/Canadian Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
ENCS	Japan Existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances.
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AIIC	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.
TCSI	Taiwan Chemical Substance Inventory

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class D2B

16. Other Information

Revision Date:	11/22/2022	Supersedes Date:	New SDS
Reason for revision:	No Information		
Datasheet produced by:	Regulatory Department		

HMIS Ratings:

Health:	2	Flammability:	0	Physical Hazard:	1	Personal Protection:	J
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NFPA Ratings:

Health:	2	Flammability:	0	Instability:	N.I.	Physical & Chemical:	N.I.
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Safety Data Sheet

1. Identification

Product Information. B109 (105844-101019-101018)

Product Name: All Fiber Rinse (Liquid)

Recommended Use. Professional Carpet Cleaning

Uses advised against. Professional Use Only

Supplier. Legend Brands
Prochem
15180 Josh Wilson Road
Burlington, WA 98233
E-Mail: sds@legendbrands.com
800-932-3030

Legend Brands
4520 Eastgate Parkway
Mississauga, ON L4W 3W6
800-932-3030

Emergency telephone number. INFOTRAC 1-800-535-5053 (North America)
+1-352-323-3500 (International)

2. Hazards Identification

Classification in accordance with the Workplace Hazardous Materials Information System (WHMIS) 2015 based on the Hazardous Products Regulations (HPR).

This product is not classified as hazardous according to GHS classification criteria.

GHS Pictograms

None required.

Signal Word

Not required.

Unknown Acute Toxicity

3.4% of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>HMIRA</u>
Citric acid	77-92-9	1-5	
sodium citrate	68-04-2	1-5	
Anionic polymers	mixture	0.5-1.5	
ALCOHOLS, C6 -C12, ETHOXYLATED	68439-45-2	0.1-1.0	

4. First-aid Measures

Description of first-aid measures.

General advice.

Call a physician if irritation develops or persists. When symptoms persist or in all cases of doubt seek medical advice.

Inhalation.

Move to fresh air.

Skin contact.

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

Eye contact.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

Ingestion.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Gently wipe or rinse the inside of the mouth with water.

Symptoms.

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

Notes to physician.

Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media.

Suitable extinguishing media.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons.

High volume water jet.

Special hazards arising from the substance or mixture.

No information available.

Advice for firefighters.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.

Personal precautions.

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

Advice for emergency responders.

Use personal protection recommended in Section 8.

Environmental precautions.

Prevent product from entering drains. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up.

Methods for Containment.

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

Methods for cleaning up.

Use personal protective equipment as required.

Reference to other sections.

See section 8 for more information.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities.

Advice on safe handling.

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures.

See section 7 for more information.

Storage Conditions.

Keep containers tightly closed in a cool, well-ventilated place.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
---------------	---------------	----------------	--------------	------------------

Contains no substances with occupational exposure limit values.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures.

Showers, eyewash stations, and ventilation systems.

Personal protective equipment.

Eye/Face Protection.

Safety glasses with side-shields.

Skin and body protection.

Wear suitable protective clothing.

Respiratory protection.

In case of insufficient ventilation wear suitable respiratory equipment.

9. Physical and chemical properties.

Information on basic physical and chemical properties.

Physical state	Liquid
Appearance	Clear
Color	Light green
Odor	Floral
Odor Threshold	No Information
pH	4.0 - 4.5
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	>94 (>201.20)
Boiling point/boiling range., °C (°F)	100 - 287 (212 - 548.6)
Evaporation rate	No Information
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm ³)	1.035
Water solubility.	Soluble
Partition coefficient.	No Information
Autoignition temperature., °C	No Information
Decomposition Temperature °C.	No Information
Viscosity, kinematic.	No Information

Other information.

Volatile organic compounds (VOC) content.	0% at 8 oz./gallon
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Density, lb/gal

No Information

10. Stability and Reactivity

Reactivity.

Stable under normal conditions.

Chemical stability.

Stable under recommended storage conditions.

Possibility of hazardous reactions.

None known based on information supplied.

Conditions to Avoid.

None known.

Incompatible Materials.

None known based on information supplied.

Hazardous Decomposition Products.

None known.

11. Toxicological Information

Information on toxicological effects.

Acute toxicity.

Product Information

No Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (dermal) 98,882.6 mg/kg

Component Information.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
77-92-9	Citric acid	11700 mg/kg Rat	N.I.	N.I.
68-04-2	sodium citrate	6500 mg/kg	> 5 g / kg	N.I.
mixture	Anionic polymers	11000	2000	1417 (Vapor)
68439-45-2	ALCOHOLS, C6 -C12, ETHOXYLATED	N.I.	2500	N.I.

N.I. = No Information

Skin corrosion/irritation.

No Information

Eye damage/irritation.

No Information

Respiratory or skin sensitization.

No Information

Ingestion.

No Information

Germ cell mutagenicity.

No Information

Carcinogenicity.

No Information

Reproductive toxicity.

No Information

Specific target organ systemic toxicity (single exposure).

No Information

Specific target organ systemic toxicity (repeated exposure).

No Information

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information**Toxicity.**

2.03% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Citric acid 77-92-9	-	LC50 96 h <i>Lepomis macrochirus</i> 1516 mg/L	-
sodium citrate 68-04-2	-	LC50 96 h <i>Poecilia reticulata</i> 18000 - 32000 mg/L	EC50 48 h <i>Daphnia magna</i> 5600 - 10000 mg/L

Persistence and degradability.

No data are available on the product itself.

Bioaccumulative potential.

Discharge into the environment must be avoided.

CAS-No.

77-92-9

Chemical Name

Citric acid

log POW

-1.72

Mobility in soil.

No information

Other adverse effects.

No information

13. Disposal Considerations**Waste Disposal Guidance.**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information**DOT**

Hazard Class: Not regulated

IMDG

Hazard Class: Not regulated

IATA

Not regulated

15. Regulatory Information**International Inventories:**

TSCA	Complies
DSL	Complies
DSL/NDL	Complies
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AICS	-
NZIoC	-

TCSI

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL	Canadian Domestic Substances List.
DSL/NDL	Canadian Domestic Substances List/Canadian Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Commercial Substances/ European List of notified Chemical Substances
ENCS	Japan Existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances.
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AICS	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.
TCSI	Taiwan Chemical Substance Inventory

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class**16. Other Information**

Revision Date:	7/29/2022	Supersedes Date:	New SDS
Reason for revision:	Formula revision		
Datasheet produced by:	Regulatory Department		

HMIS Ratings:

Health:	0	Flammability:	0	Physical Hazard:	0	Personal Protection:	B
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NFPA Ratings:

Health:	0	Flammability:	0	Instability:	0	Physical & Chemical:	-
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information**Toxicity.**

2.03% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Citric acid 77-92-9	-	LC50 96 h <i>Lepomis macrochirus</i> 1516 mg/L	-
sodium citrate 68-04-2	-	LC50 96 h <i>Poecilia reticulata</i> 18000 - 32000 mg/L	EC50 48 h <i>Daphnia magna</i> 5600 - 10000 mg/L

Persistence and degradability.

No data are available on the product itself.

Bioaccumulative potential.

Discharge into the environment must be avoided.

CAS-No.

77-92-9

Chemical Name

Citric acid

log POW

-1.72

Mobility in soil.

No information

Other adverse effects.

No information

13. Disposal Considerations**Waste Disposal Guidance.**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information**DOT**

Hazard Class: Not regulated

IMDG

Hazard Class: Not regulated

IATA

Not regulated

15. Regulatory Information**International Inventories:**

TSCA	Complies
DSL	Complies
DSL/NDL	Complies
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AICS	-
NZIoC	-

TCSI

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL	Canadian Domestic Substances List.
DSL/NDL	Canadian Domestic Substances List/Canadian Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Commercial Substances/ European List of notified Chemical Substances
ENCS	Japan Existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances.
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AICS	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.
TCSI	Taiwan Chemical Substance Inventory

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class**16. Other Information**

Revision Date:	7/29/2022	Supersedes Date:	New SDS
Reason for revision:	Formula revision		
Datasheet produced by:	Regulatory Department		

HMIS Ratings:

Health:	0	Flammability:	0	Physical Hazard:	0	Personal Protection:	B
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NFPA Ratings:

Health:	0	Flammability:	0	Instability:	0	Physical & Chemical:	-
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.