

**90102232**

**QUAT-SHOT PLUS**

**Disinfectant**

# SAFETY DATA SHEET



Horizon Quat Shot Plus

## Section 1. Identification

**GHS product identifier** : Horizon Quat Shot Plus  
**Other means of identification** : Not available.  
**Product type** : Liquid.

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

Not applicable.

**Supplier's details** : Betco Corporation  
1001 Brown Avenue  
Toledo, OH 43607  
www.betco.com  
888-462-3826

**Emergency telephone number (with hours of operation)** : Chemtrec 800-424-9300 (24 Hour)

## Section 2. Hazards identification

**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. 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 nonpesticide chemicals. Please read complete product label.

**Classification of the substance or mixture** : SKIN CORROSION/IRRITATION - Category 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

### GHS label elements

**Hazard pictograms** :



**Signal word** : Warning (Per OSHA) DANGER (Per EPA)

**Hazard statements** : Causes serious eye irritation.  
Causes skin irritation.  
(Previous statements per OSHA)  
Corrosive. Causes irreversible eye damage.  
Harmful if swallowed.  
(Previous statements per EPA.)

### Precautionary statements

**Prevention** : Wear protective gloves: < 1 hour (breakthrough time): disposable vinyl. Wear eye or face protection: Recommended: safety glasses. Wash hands thoroughly after handling.

**Response** : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. 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** : Not applicable.

## Section 4. First aid measures

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
metal oxide/oxides
- 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 specialised 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



## Section 8. Exposure controls/personal protection

**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** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Recommended: safety glasses

### 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. < 1 hour (breakthrough time): disposable vinyl

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**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** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Personal protective equipment (Pictograms)** :



## Section 9. Physical and chemical properties

### Appearance

**Physical state** : Liquid.

**Color** : Blue.-Green.

**Odor** : Fruity. Floral.

**Odor threshold** : Not available.

**pH** : 6.5 to 8

**Melting point** : Not available.

**Boiling point** : Not available.

**Flash point** : Closed cup: 99°C (210.2°F) [Product does not sustain combustion.]

**Evaporation rate** : Not available.

**Flammability (solid, gas)** : Not available.

**Lower and upper explosive (flammable) limits** : Not available.

**Vapor pressure** : Not available.

## Section 11. Toxicological information

### Carcinogenicity

Not available.

### Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| Isopropyl alcohol       | -    | 3    | -   |

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

| Name              | Category   | Route of exposure | Target organs    |
|-------------------|------------|-------------------|------------------|
| Isopropyl alcohol | Category 3 | Not applicable.   | Narcotic effects |

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Routes of entry anticipated: Oral, Dermal.  
Routes of entry not anticipated: Inhalation.

### Potential acute health effects

**Eye contact** : Causes serious eye irritation. (Per OSHA) Causes irreversible eye damage. (Per EPA)  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : Causes skin irritation.  
**Ingestion** : No known significant effects or critical hazards. (Per OSHA) Harmful if swallowed. (Per EPA)

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:  
irritation  
redness

**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

## Section 12. Ecological information

**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

|                            | DOT<br>Classification | TDG<br>Classification | Mexico<br>Classification | ADR/RID        | IMDG           | IATA           |
|----------------------------|-----------------------|-----------------------|--------------------------|----------------|----------------|----------------|
| UN number                  | Not regulated.        | Not regulated.        | Not regulated.           | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name    | -                     | -                     | -                        | -              | -              | -              |
| Transport hazard class(es) | -                     | -                     | -                        | -              | -              | -              |
| Packing group              | -                     | -                     | -                        | -              | -              | -              |
| Environmental hazards      | No.                   | No.                   | No.                      | No.            | No.            | No.            |
| Additional information     | -                     | -                     | -                        | -              | -              | -              |

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 4(a) proposed test rules:** Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides  
**TSCA 8(a) PAIR:** 2-(4-tert-butylbenzyl)propionaldehyde  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**Commerce control list precursor:** 2,2',2"-nitrioltriethanol  
 Not determined.  
**Clean Water Act (CWA) 307:** disodium [29H,31H-phthalocyaninedisulphonato(4-)-N29, N30,N31,N32]cuprate(2-)

## Section 15. Regulatory information

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

|                   |                   |
|-------------------|-------------------|
| Australia         | : Not determined. |
| Canada            | : Not determined. |
| China             | : Not determined. |
| Europe            | : Not determined. |
| Japan             | : Not determined. |
| Malaysia          | : Not determined. |
| New Zealand       | : Not determined. |
| Philippines       | : Not determined. |
| Republic of Korea | : Not determined. |
| Taiwan            | : Not determined. |

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

|                  |   |   |
|------------------|---|---|
| Health           | * | 2 |
| Flammability     |   | 1 |
| Physical hazards |   | 0 |
|                  |   |   |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### 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                            |
|--|--|
| Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319 | Calculation method<br>Calculation method |

### History

|                                |              |
|--------------------------------|--------------|
| Date of printing               | : 4/15/2015. |
| Date of issue/Date of revision | : 4/15/2015. |



Section 1 - Product and Company Identification

|                      |  |                  |                        |   |
|----------------------|--|------------------|------------------------|---|
| Product Name:        | 315 <b>Quat Shot</b>   | Chemical Family: | Not available.         | NPCA Hazardous Material Identification System |
| Generic Description: | Neutral pH Disinfectant/Deodorant/Detergent                      | Formula:         | Not applicable.        | Health: 2                                     |
| Supplier:            | H&H Chemical Co.<br>1403 Hodges Street<br>Lake Charles, LA 70601 | Phone:           | (419) 241-2156         | Flammability: 0                               |
|                      |  | Emergency phone: | Chemtec (800) 424-9300 | Physical Hazard: 0                            |

Section 2 - Ingredients:

| Ingredient Name                 | CAS #      | % by Weight | TLV/PEL   | Carcinogenic Effects |
|---------------------------------|------------|-------------|---|----------------------|
| 1) Quaternary Ammonium Chloride | 68424-85-1 | 2           | Not available.  | Not available.       |
| 2) Isopropyl Alcohol            | 67-63-0    | 1-5         | TWA: 400 (ppm)<br>TWA: 400 (ppm) from OSHA (PEL) [United States]<br>STEL: 500 (ppm) | Not available.       |
| 3) Nonionic Surfactant          | 9016-45-9  | 1-5         | Not available.  | Not available.       |

Section 3 - Physical and Chemical Properties

|                               |                               |                  |                    |
|-------------------------------|-------------------------------|------------------|--------------------|
| Boiling point                 | 212°F initial                 | Specific Gravity | 1 (Water = 1)      |
| Vapor Pressure                | 20mm Hg @ 68°F                | Vapor density:   | >1 (Air = 1)       |
| Volatility                    | 90                            | pH               | 6.5 to 8.5 [Basic] |
| Solubility                    | Easily soluble in cold water. | Evaporation Rate | <1                 |
| Physical State and Appearance | Odor                          |                  |                    |
| Liquid:                       | Yellow. (Light.) Lemon like   |                  |                    |

Section 5 - Reactivity Data

|                                  |                        |
|----------------------------------|------------------------|
| Stability                        | The product is stable. |
| Incompatibility                  | None known.            |
| Hazardous Decomposition Products | Not available.         |
| Hazardous Polymerization         | Will not occur.        |

Section 4 - Fire/Explosion Hazards

|                           |  |                  |                |
|---------------------------|--|------------------|----------------|
| Flash points (closed cup) | Not available.   | Explosion Limits |                |
| Extinguishing media       | N/A  |                  | Not available. |
| Fire-Fighting Measures    | Wear full protective clothing Use extinguishing media indicated. |                  |                |
| Explosion Hazards         | Not applicable   |                  |                |

Section 6 - Storage

Precautions to be taken in handling and storage  
 Avoid breathing vapors or spray mists.  
 Keep out of the reach of children. Not for use or storage in or around the home.

Section 7 - Health Hazards/ FIRST AID

|   |  |   |
|---|--|---|
| Chronic Effects:                          | Over-exposure by inhalation may cause respiratory irritation.                                      | Repeated skin exposure can produce local skin destruction, or dermatitis.   |
| ROUTES OF ENTRY                           |  | FIRST AID MEASURES  |
| Skin                                      | Defatting to skin on repeated contact.   | Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. Seek medical attention.                      |
| Eyes                                      | Eye irritant. May cause redness and swelling of the conjunctiva.                                   | Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention. |
| Inhalation                                | Slightly irritating to the respiratory system.   | Allow the victim to rest in a well ventilated area.   |
| Ingestion                                 | May be irritating to the gastrointestinal system. Vomiting and diarrhea expected with large doses. | Dilute with two glasses of water. Seek medical attention.   |
| Medical Conditions aggravated by Exposure | Repeated or prolonged exposure is not known to aggravate medical condition.                        |   |

Section 8 - Personal Protection

|   |   |
|---|---|
| Protective Clothing                           | Ventilation   |
| Eye/Face Protection: Safety glasses.          | Good general ventilation should be sufficient to control airborne levels. |
| Hand/Arm Protection: Gloves.                  |   |
| Respiratory Protection: Not applicable.       |   |
| Other Special Considerations: Not applicable. |   |

Section 9 - Large Spill and Leak

|  |  |
|--|--|
| Methods for cleaning up Spill  | Methods of disposal  |
| Absorb with an inert material and put the spilled material in an appropriate waste disposal.<br>SARA 313 | Waste must be disposed of in accordance with federal, state and local environmental control regulations. |

SARA 313 toxic chemical notification and release reporting: No products were found.

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.



# MATERIAL SAFETY DATA SHEET

## (SIMILAR TO OSHA FORM 174)

N.A. = Not Applicable  
Not Est. = Not Established  
Prop. = Proprietary

### SECTION 1 - MANUFACTURER / DISTRIBUTOR INFORMATION

**Product Name:** NEUTRAL-Q Disinfectant Cleaner Deodorant  
**Supplier's Name:** National Chemical Laboratories of PA, Inc.  
**Supplier's Address:** 401 N. 10<sup>th</sup> Street Philadelphia PA 19123  
**HMIS Hazard Code:** Health: 2 Flammability: 0 Reactivity: 0 Other: 0  
**Chemical Family:** Disinfectant Cleaner  
**D.O.T. Shipping Name:** Disinfectant Liquid Corrosive, NOS (Quaternary Ammonium Compound)

**Product #:** 0248  
**Emergency Phone #:** CHEM-TEL (800) 255-3924  
**Chemical Name:** N.A. Proprietary Blend  
**Formula:** N.A. Blended Product  
**Hazard Class:** 8 **D.O.T. ID#:** UN1903

### SECTION 2 - HAZARDOUS INGREDIENTS

| CHEMICAL NAME                                    | CAS NUMBER | % Concentration Range | Hazard Ratings (TLV/PEL) |
|--|------------|-----------------------|--------------------------|
| Alkyl dimethyl benzyl ammonium chloride (C12-16) | 68424-85-1 | PROP                  | N/A                      |
| Didecyl dimethyl ammonium chloride               | 7173-51-5  | PROP                  | N/A                      |

### SECTION 3 - PHYSICAL DATA

**Specific Gravity:** 1.000  
**Vapor Density:** Estimated to be heavier than air  
**Odor:** Sienna

**Vapor Pressure:** Not determined  
**Solubility in Water:** Complete

**Evaporation Rate:** Not Determined  
**Appearance:** Opal

### SECTION 4 - FIRE AND EXPLOSION DATA

**Flash Point (°C):** None when heated to 105°C (Tag Closed Cup)  
**Upper and Lower Flame Limits:** Not determined.  
**Fire fighting Equipment & Instructions:** Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.  
**Extinguishing media:** Dry chemical, foam, carbon dioxide, water fog or any other agent suitable for surrounding fire.  
**Hazardous Combustion Products:** Irritating and toxic gases or fumes may be released during a fire.  
**Unusual Fire & Explosion Hazards:** Combustion products are toxic.

### SECTION 5 - HEALTH HAZARD DATA

**Potential Health Effects:** **Skin:** Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Exposures not promptly washed off may lead to toxic effects similar to ingestion. Harmful if absorbed through the skin. **Eyes:** Causes burns and may result in permanent injury to eyes including blindness. **Inhalation:** Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness. Harmful if inhaled. **Ingestion:** Ingestion can cause gastrointestinal irritation, swelling of the larynx, difficulty in breathing, circulatory shock, convulsions and possibly death. **Chronic:** Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.  
**First Aid Measures:** **Eyes:** Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once. **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. **Inhalation:** If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. **Ingestion:** 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 do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

### SECTION 6 - REACTIVITY DATA

**Stability:** Material is stable.  
**Conditions to Avoid:** Keep away from heat and strong oxidizing agents.  
**Incompatibility:** Strong oxidizing agents (may result in fire.), reducing agents.  
**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, hydrogen chloride vapors.  
**Hazardous Polymerization:** Will not occur.

### SECTION 7 - SPILL OR LEAK PROCEDURES

**Spill and Leak Procedures:** **Emergency Action:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). **Spill Cleanup:** Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.  
**Large Spills:** Dike far ahead of liquid spill for later disposal. Pump into containers for disposal.  
**Waste disposal method:** This substance, when discarded or disposed of, is a characteristic hazardous waste according the Federal regulation (40 CFR 261) and is assigned the EPA Hazardous Waste Number of D001. The discarding or disposal of this material must be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information present in this MSDS incomplete, inaccurate or otherwise inappropriate. The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

### SECTION 8 - SPECIAL PROTECTION INFORMATION

**Engineering Controls:** Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits.  
**Personal Protective Equipment:** **Eyes/Face:** Wear chemical goggles. Use a face shield if splashing is possible. **Skin:** Use impervious gloves (rubber or neoprene). Wear suitable protective clothing. **Respiratory:** If exposure limits are exceeded or if irritation is experienced, a NIOSH/MSNA approved respirator or an organic/vapor removing cartridge respirator protection device should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations. **General:** Eye wash fountain and emergency showers are recommended.

### SECTION 9 - SPECIAL PRECAUTIONS

**Handling Procedures:** Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Wash thoroughly after work using soap and water.  
**Storage Procedures:** Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge buildup by using common bonding and grounding techniques.  
**Other Precautions:** It is a violation of federal law to use this product in a manner inconsistent with its labeling. Keep out of reach of children. For professional use only.

The information contained in this MSDS was obtained from current and reliable sources, however the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of this company, it is not responsible for loss, injury and expense arising out of the product's improper use. No warranty, expressed or inferred, regarding the product described in this MSDS shall be created or inferred by any statement in this MSDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use or disposal of this product which may be covered by this MSDS. The user is responsible for full compliance.

Date Prepared - 07/08/08 By: G.C.



**Spartan Chemical Company, Inc.**  
**Material Safety Data Sheet**

**SECTION I: PRODUCT INFORMATION**

Product Name or Number (as it appears on label):

**DMQ DAMP MOP NEUTRAL DISINFECTANT CLEANER**

Product Number: 1062

Product Division:

**Janitorial**

**Spartan Chemical Company, Inc.**  
**1110 Spartan Drive**  
**Maumee OH 43537**

Product/Technical Information: **1-(800)-537-8990**

Medical Emergency: **1-(888)-314-6171 (24 hours)**

Chemical Leak/Spil Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Cleaning compounds, liquid, n.o.s.

| <b>NFPA Ratings:</b>   | <b>HMIS Ratings:</b>  |
|--|---|
| <b>Health:</b> 3 - Serious<br><b>Fire:</b> 0 - Minimal<br><b>Reactivity:</b> 0 - Minimal | <b>Health:</b> 3 - Serious<br><b>Fire:</b> 0 - Minimal<br><b>Reactivity:</b> 0 - Minimal<br><b>Pers. Prot. Equip.:</b> See Section VIII |

**SECTION II: HAZARDOUS INGREDIENTS**

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

| Chemical Name(s)                        | %Wt | CAS Registry No. | Table Z-1-A           |                        |                           | NTP, IARC or OSHA Carcinogen |
|---|-----|------------------|-----------------------|------------------------|---------------------------|------------------------------|
|   |     |                  | TWA mg/m <sup>3</sup> | STEL mg/m <sup>3</sup> | CEILING mg/m <sup>3</sup> |                              |
| Alkyl dimethyl benzyl ammonium chloride | 1-5 | 68424-85-1       | Not Established       | Not Established        | Not Established           | No                           |
| Nonyl phenol ethoxylate                 | 1-5 | 9016-45-9        | Not Established       | Not Established        | Not Established           | No                           |
| Isopropyl alcohol                       | 1-5 | 67-63-0          | Not Established       | Not Established        | Not Established           | No                           |

**SECTION III: PHYSICAL DATA**

|  |   |
|--|---|
| Boiling Point: 210 °F                              | Vapor Pressure: Unknown                     |
| Vapor Density (AIR = 1): Unknown                   | Solubility in Water: <b>Complete</b>        |
| pH: 5.0-6.0  | Specific Gravity (H <sub>2</sub> O=1): 1.00 |
| Evaporation Rate (but.ace.=1): <1                  | Percent Solid by Weight: 5-10               |
| Physical State: Liquid                             |   |
| Appearance & Odor: Yellow liquid, lemon fragrance. |   |

**SECTION IV: FIRE & EXPLOSIVE HAZARD DATA**

|  |                       |
|--|-----------------------|
| Flash Point: > 200°F   | Method Used: ASTM-D56 |
| Flammable Limits: N/A  | Flame Extension: N/A  |
| Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire.  |                       |
| Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray. |                       |
| Unusual Fire & Explosive Hazards: Combustion products are toxic.   |                       |

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value: Not Established

Primary Routes of Entry: Inhalation, Skin Contact, Eyes &amp; Oral

Effects of Overexposure: **CORROSIVE:**Conditions to Avoid: **CAUSES IRREVERSIBLE EYE DAMAGE:** Symptoms may include pain, redness, swelling of the conjunctiva and tissue damage.**HARMFUL TO SKIN:** Causes skin irritation with symptoms of pain, redness and possible chemical burns. Harmful if absorbed through the skin.**HARMFUL IF SWALLOWED:** Symptoms may include nausea, vomiting, pain and diarrhea.**INHALATION OF SPRAY MIST MAY CAUSE RESPIRATORY IRRITATION:** Breathing spray mist may cause coughing and difficulty breathing.**Do not get in eyes, on skin or clothing. Do not taste or swallow. Avoid inhalation of spray mist. Wash thoroughly with soap and water after handling.**

Conditions Aggravated by Use: Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis.

**Emergency & First Aid Procedures:**

Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses after the first 5 minutes then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin: 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. Wash contaminated clothing before reuse.

Ingestion: 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 do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: In case of respiratory irritation; move person to fresh air. Get medical attention if irritation persists.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

**SECTION VI: REACTIVITY DATA**

Stability: Stable

Incompatible Materials: Strong oxidizers

Hazardous Decomposition Products: CO, CO<sub>2</sub>

Hazardous Polymerization: Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case

Material is Released or Spilled: Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for recovery or disposal.

Waste Disposal Method: Same as above. Container disposal: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or if allowed by state and local authorities, burn. If burned, stay out of smoke.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection: Not normally required when good general ventilation is provided. However, if respiratory irritation occurs, use of a NIOSH approved respirator suitable for the use-conditions and chemicals in Section II should be considered.

Ventilation: Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.

Protective Gloves(Specify Type): Rubber or other water-proof gloves are recommended.

Eye Protection(Specify Type): Splash goggles are recommended to prevent eye contact.

Other Protective Equipment: Eye wash stations and washing facilities should be readily accessible in areas where undiluted product is handled.. See 29 CFR 1910.132-138 for further guidance.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling &amp; Storing: Keep from freezing.

Other Precautions: Keep out of reach of children.

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**DMQ DAMP MOP NEUTRAL  
DISINFECTANT CLEANER**

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