



MATERIAL SAFETY DATA SHEET

TRAIL BREAKER Heavy-Duty Prespray with Prozyme

MSDS No: 6005
Date Prepared: 10/10/2003
Date Revised: 10/10/2003

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: TRAIL BREAKER Heavy-Duty Prespray with Prozyme

PRODUCT CODE: 6005110

MANUFACTURER

The Ramsey Company
8310 16th St.
Sturtevant, WI 53177-0902

Ramsey Telephone Number: 800-421-2768
Emergency Telephone (24 hours): 800-228-5635
CHEMTREC (U.S./Can.): 800-424-9300
CHEMTREC (Int'l): +1 703-527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS#</u>	<u>% BY WEIGHT</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Water	7732-18-5	40 - 70	NA	NA
Diethylene glycol monobutyl ether	112-34-5	5 - 10	NA	NA
Tripropylene glycol methyl ether	25498-49-1	5 - 10	NA	NA
Naphthalene sodium sulfonate	26264-58-4	5 - 10	NA	NA
Viable bacterial cultures	NA	3 - 7	NA	NA
Linear primary alcohol ethoxylate	34398-01-1	1 - 5	NA	NA
Tetrasodium ethylenediamine tetraacetate	64-02-8	1 - 5	NA	NA
Diacetone alcohol	123-42-2	0.5 - 1.5	50 ppm 240 mg/m3	50 ppm 238 mg/m3
Fragrance	NA	< 0.1	NA	NA

NA - Not Available

OSHA REGULATORY STATUS: This product is classified as hazardous under OSHA regulations.

WHMIS CLASS: Class D- Division 2B

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear to Slightly Hazy, Amber Liquid . Mild, Ether Odor. May Cause Eye and Skin Irritation.

POTENTIAL HEALTH EFFECTS (See Section 11 for Toxicological Information)

PRIMARY ROUTE(S) OF EXPOSURE: Eye Skin Contact Skin Absorption
 Inhalation Ingestion

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: May cause eye irritation. Symptoms may include redness and pain.

SKIN: May cause skin irritation. Symptoms may include redness, rash and mild swelling. Organisms used in this product are non-pathogenic, but can cause infection when in contact with open wounds.

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INGESTION: May cause mouth, throat and stomach irritation. Symptoms may include nausea, vomiting and diarrhea. May also cause central nervous system effects including headache, dizziness and weakness.

INHALATION: High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing. High concentrations of vapor or mist may also cause central nervous system effects including headache, dizziness and nausea.

EFFECTS OF CHRONIC EXPOSURE: Prolonged or repeated contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

MEDICAL CONDITIONS AGGRAVATED: May aggravate pre-existing eye, skin and respiratory conditions.

4. FIRST AID MEASURES

EYES: Flush eyes with plenty of water while holding eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not put any medication in the victim's eyes unless instructed by a physician. Get medical attention.

SKIN: Flush with water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops or open wounds are present.

INGESTION: Do not induce vomiting. Drink large quantities of water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give respiration; if breathing is difficult, give oxygen (by trained personnel only). Get medical attention if symptoms persist.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: > 93°C (200°F)TCC

FLAMMABLE LIMITS: Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS: Normal products of combustion (carbon monoxide and carbon dioxide).

FIRE AND EXPLOSION HAZARDS: None known.

FIRE FIGHTING INSTRUCTIONS: This product is not flammable. As in any fire, MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear should be worn.

6. ACCIDENTAL RELEASE MEASURES

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Floors may be slippery. Use care to avoid falling. Ventilate spill area. Contain and isolate spill. Keep non-essential personnel from entering spill area. Use mop, absorbent, or wet vacuum to collect material for proper disposal. Rinse area with water.

7. HANDLING AND STORAGE

HANDLING: Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Wash thoroughly after handling. Remove contaminated clothing. Wash clothing and equipment before reuse.

STORAGE: Keep container closed when not in use. Store away from incompatible materials. (See Section 10, Stability and Reactivity).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general room ventilation is expected to be adequate. If user operations generate vapor or mist, ventilation should be used to keep airborne concentrations below exposure limits (See Section 2, Composition/Information on Ingredients).

PERSONAL PROTECTION

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EYE: Where eye contact is possible, wear safety glasses with side shields or chemical splash goggles (ANSI Z87.1 approved).

SKIN: Where skin contact is possible, chemical-resistant clothing (e.g., gloves) should be worn.

RESPIRATORY: No respiratory protection is required if general room ventilation is adequate and airborne concentrations are kept below exposure limits. When exposure limits are exceeded, use appropriate respiratory protection (NIOSH/MSHA) to prevent overexposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild, Ether

APPEARANCE: Clear to Slightly Hazy, Amber

pH: 9.5 to 10.9

PERCENT VOLATILE BY WEIGHT: 86

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING/MELTING POINT: Not Available

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: Not Available

SPECIFIC GRAVITY: 1.02

VISCOSITY: Water Thin

OCTANOL/WATER PARTITION COEFFICIENT: Not Available

ODOR THRESHOLD: Not Available

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID): Stable.

POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: None known.

INCOMPATIBLE MATERIALS: Strong acids (e.g., hydrochloric) and oxidizers (e.g., bleach). Strong acids and bases may inactivate cultures.

11. TOXICOLOGICAL INFORMATION

ACUTE DATA: No data is available for this product. The following data are available for product ingredients:

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD₅₀ (rat)</u>	<u>DERMAL LD₅₀ (rabbit)</u>	<u>INHALATION LC₅₀ (rat)</u>
Water			
Diethylene glycol monobutyl ether	5660 mg/kg	4120 mg/kg	Not Available
Tripropylene glycol methyl ether	3200 mg/kg	>2000 mg/kg	Not Available
Naphthalene sodium sulfonate	Not Available	Not Available	Not Available
Viable bacterial cultures	Not Available	Not Available	9.2 mg/L (4-hr)
Linear primary alcohol ethoxylate	700 - 1700 mg/kg	>2000 mg/kg	Not Available
Tetrasodium ethylenediamine tetraacetate	3030 mg/kg	>5000 mg/kg	Not Available
Diacetone alcohol	4000 mg/kg	13500 mg/kg	Not Available
Fragrance	Not Available	Not Available	Not Available

SENSITIZATION DATA: No data available.

CHRONIC DATA:

Prolonged overexposure to high concentrations of tripropylene glycol methyl ether by dermal absorption has caused kidney effects in laboratory animals. Prolonged overexposure to high concentrations of diacetone alcohol by ingestion and inhalation has caused liver and kidney effects in laboratory animals.

REPRODUCTIVE/TERATOGENIC DATA: No data available.

CARCINOGENIC/MUTAGENIC DATA: Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA.

SYNERGISTIC MATERIALS: No data available.

12. ECOLOGICAL INFORMATION

This product is made with all biodegradable detergents. No other data available.

13. DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, state or provincial and federal regulations. The unused product, as manufactured, is a RCRA non-hazardous waste in accordance with 40 CFR 261. The product has not been evaluated by the Toxicity Characteristic Leachate Procedure (TCLP). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

14. TRANSPORT INFORMATION

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION: Not regulated

15. REGULATORY INFORMATION

Not meant to be all-inclusive---selected regulations represented.

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Under 40 CFR 370.2, this product meets the following hazard categories: Immediate, Delayed.

313 REPORTABLE INGREDIENTS: Ingredients in this product are not currently subject to notification.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None of the ingredients in this product are reportable under CERCLA.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: This product complies with all TSCA inventory requirements.

CANADA

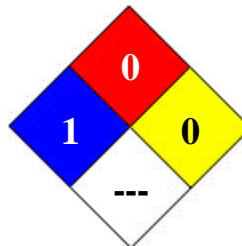
WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Class D-Division 2B, eye and skin irritant. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

HMIS RATING

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	-

NFPA CODES:



APPROVED BY: Product Safety & Regulatory

MSDS STATUS Revision #: 4

This MSDS replaces the January 18, 2001 MSDS. Any changes in information are as follows:

In Section 1

Approved by Product Code Date Prepared

The information on this data sheet represents our current data and best opinion as to the proper use in handling of the product under normal foreseeable conditions. Any use of this product which is not in conformance with this data sheet or product label, or which involves using the product in combination with any other product or any other process is the responsibility of the user.
