



# MATERIAL SAFETY DATA SHEET

|              |   |
|--------------|---|
| HMIS Ratings |   |
| Health       | 1 |
| Flammability | 1 |
| Reactivity   | 0 |
| Protection   | B |

## Chemical Product and Company Identification

**Manufacturer Information** Blue Ribbon Products, Inc.  
7687 Winton Drive, Bldg. 130  
Indianapolis, IN 46268

**Phone** (317) 972-7970 \* (888) 274-2266

**Emergency Phone** CHEMTREC  
1-800-424-9300  
FOR INTERNATIONAL CALLS  
(703) 527-3887

**Date Prepared** 01/10/04

**Supercedes** 03/26/99

**Product Identity** Disinfectant Foam Cleaner

## Composition / Information on Ingredients

| Components – Chemical Names<br><small>(Hazardous Components 1% or greater;<br/>Carcinogens 0.1% or greater)</small> | CAS Number | SARA<br>III List | OSHA PEL<br>(ppm) | ACGIH<br>TLV (ppm) | Carcinogen<br>Ref. Source ** |
|---|------------|------------------|-------------------|--------------------|------------------------------|
| ISOBUTANE   | 75-28-5    | No               | 800               | 800                | d                            |
| DIETHYLENE LYCOL  |            |                  |                   |                    |                              |
| ETHEYL ETHER  | 111-90-0   | Yes              | N/E               | N/E                | d                            |
| ETHYLENE GLYCOL   |            |                  |                   |                    |                              |
| MONOBUTYL ETHER   | 111-76-2   | No               | 50                | 25                 | d                            |
| TETRASODIUM ETHYLENEDIAMINE   |            |                  |                   |                    |                              |
| TETRAACETATE  | 64-02-8    | No               | N/E               | N/E                | d                            |

## Physical / Chemical Characteristics

**Boiling Point** N/A

**Specific Gravity (H2O=1)** Concentrate Only = 1.0

**Vapor Pressure** PSIG @ 70 F (Aerosols) Max. 60

**Vapor Pressure (Non-Aerosols) (mmHg and Temperature)** N/A

**Solubility In Water** Completely Soluble

**Water Reactive** No

**Appearance and Odor** White foam, pine fragrance

**Evaporation Rate ( = 1)** N/E

## Fire & Explosion Hazard Data

|  |  |
|--|--|
| <b>Flammability as per USA Flam Projection Test (Aerosols)</b> | Non-Flammable  |
| <b>Auto Ignition Temperature</b>                               | N/E  |
| <b>Flammability Limits in Air by % in Volume</b>               | %LEL N/E    %UEL N/E   |
| <b>Flash Point &amp; Method Used (Non-Aerosols)</b>            | N/A  |
| <b>Special Fire Fighting Procedures</b>                        | Self-contained breathing apparatus   |
| <b>Extinguisher Media</b>                                      | Foam, Dry Chemical, Carbon Dioxide, Water  |
| <b>Unusual Fire &amp; Explosion Hazards</b>                    | Do not expose aerosols to temperatures above 130 F or the container may rupture. |

## Reactivity Hazard Data

|   |                                 |
|---|---------------------------------|
| <b>Stability</b>                            | Stabile                         |
| <b>Hazardous Polymerization</b>             | Will Not Occur                  |
| <b>Incompatibility (Materials To Avoid)</b> | Strong Oxidizers                |
| <b>Conditions To Avoid</b>                  | Open flame, welding arcs, heat  |
| <b>Hazardous Decomposition Products</b>     | Carbon monoxide, carbon dioxide |

## Health Hazard Data

|  |  |
|--|--|
| <b>Primary Routes of Entry</b>                             | Inhalation, Skin Absorption  |
| <b>Acute Effects</b>                                       | Inhalation – Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.<br>Eye Contact – Irritation.<br>Skin Contact – Mild Irritation.           |
| <b>Chronic Effects</b>                                     | Ingestion – Possible chemical pneumonitis if aspirated into lungs. Nausea.<br>May cause diarrhea, vomiting, gastrointestinal irritation. Lab animals have experience anemia, liver, kidney, lung, blood damage to Glycol Ether EB. |
| <b>Medical Conditions Generally Aggravated by Exposure</b> | May aggravate existing eye, skin, or upper respiratory conditions.   |

## Emergency First Aid Procedures

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Flush with water for 15 minutes. If irritated, seek medical attention.                     |
| <b>Skin Contact</b> | Wash with soap and water. If irritated, seek medical attention.                            |
| <b>Inhalation</b>   | Remove to fresh air. Resuscitate if necessary. Get medical attention.                      |
| <b>Ingestion</b>    | DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention. |

## Control & Protective Measures

|  |  |
|--|--|
| <b>Respiratory Protection (Specify Type)</b>     | If vapor concentration exceeds TLV, use respirator approved by NIOSH to be used in positive pressure mode. |
| <b>Protective Gloves</b>                         | Latex, if skin easily irritated.   |
| <b>Eye Protection</b>                            | Safety glasses recommended.  |
| <b>Ventilation Requirements</b>                  | Adequate ventilation to keep vapor concentration below TLV   |
| <b>Other Protective Clothing &amp; Equipment</b> | None   |
| <b>Hygienic Work Practices</b>                   | Wash with soap and water before handling food. Remove contaminated clothing.                               |

## Precautions For Safe Handling & Use

### Steps To Be Taken If Material Is Spilled Or Released

Absorb with suitable medium. Incinerate or landfill according to local, state or Federal regulations. DO NOT FLUSH TO SEWER.

### Waste Disposal Methods

Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

### Precautions To Be Taken In Handling & Storage

Do not puncture or incinerate containers. Do not store at temperatures above 130 F.

### Other Precautions &/or Special Hazards

KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors.

## Regulatory Information

**DOT Hazard Classification:** ORM-D

**Identity:** Disinfectant Foam Cleaner

## Other Information

### Disclaimer

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, MSDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

**Prepared By** Technical Department

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