



Safety Data Sheet

HOU CHEM Bug Remover

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

Section 1: Identification

| | |
|-----------------------------|-----------------------------------------------------------------------------|
| Product Name: | HOU CHEM Bug Remover |
| Product Use: | Automotive Reconditioning Product |
| Restrictions on Use: | For automotive use only |
| Manufacturer: | Blue Ribbon Products, Inc. 8188 Allison Avenue Indianapolis, IN 46268 |
| Phone Number: | (317) 972-7970 * (888) 274-2266 |
| Emergency Phone: | CHEMTREC 1-800-424-9300 For International Calls: (703) 527-3887 |

Section 2: Hazard Identification

| | |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard Class: | Acute Oral Toxicity Category 5, Skin Irritant Category 2, Eye Irritant Category 2A, Acute Target Organ Toxicity Category 3, Acute Aquatic Toxicity Category 3. |
| Signal Word(s): | Warning |
| Hazard Statement: | May be harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation and CNS depression. Harmful to aquatic life. |

Pictogram Classes:



Precautionary Measures: Do not ingest, keep out of eyes. Avoid breathing fume/mist/vapour/spray. Wear proper protective equipment. Use only outdoors or in well-ventilated area. Wash thoroughly after handling. Store tightly closed and locked up in

well-ventilated place. Avoid release to the environment or contamination of water sources.

Miscellaneous Hazards: N/A

Section 3: Composition/Information on Ingredients

| Chemical Name | CAS Number | Concentration (Wgt.%) |
|-------------------------------------------------------------|-------------------|------------------------------|
| 2-Butoxyethanol | 111-76-2 | 15-30 |
| Ethoxylated Nonylphenol | 9016-45-9 | 5-20 |
| Non-hazardous and other ingredients below reportable levels | Proprietary | 50-80 |

Section 4: First Aid Measures

| | |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin Contact | Wash immediately with soap and water while removing clothing. If irritation persists, seek medical advice or attention. |
| Eye Contact | Rinse cautiously with water for several minutes. Remove contact lenses if present/able. Continue rinsing. If eye irritation persists, get medical advice or attention. |
| Inhalation | Move person to fresh air. Seek medical attention if symptoms develop or persist |
| Ingestion | If the material is swallowed, get medical advice or attention - Drink several glasses of water or milk. |

Notes for Immediate Care / Physician N/A

Section 5: Fire Fighting Measures

Hazardous Combustion Products:
Carbon monoxide and carbon dioxide.

Extinguishing Media:
Carbon dioxide, dry chemical, or water.

General Fire Hazards:
None.

Fire Fighting Equipment and Instructions:
Firefighters should wear full protective gear including self contained breathing apparatus.

Section 6: Accidental Release Measures

Personal Protection/PPE:

Wear mask, safety glasses or goggles, and gloves to avoid inhalation and eye or skin contact.

Emergency Procedures:

Ensure ventilation to avoid inhalation. Remove sources of ignition. Do not allow to contaminate water sources as product is harmful to aquatic life.

Containment Procedures:

Remove all sources of ignition. Stop the flow of material, if this is without risk. Absorb with inert absorbent such as dry clay, sand, diatomaceous earth, commercial sorbents, or recover using pumps.

Cleanup Procedures:

Absorb spill with inert material. Shovel material into appropriate container for disposal.

Section 7: Handling and Storage

Handling Procedures:

Avoid prolonged or repeated skin contact with this material.

Storage Procedures:

Do not handle or store near an open flame, heat, or other sources of ignition. Keep the container tightly closed and in a well-ventilated place. Do not freeze.

Section 8: Exposure Controls/Personal Protection

| Chemical | CAS Number | PEL-OSHA | Exposure Limits | |
|-------------------------------------------------------------|-------------|----------|-----------------|------------|
| | | | TLV-ACGIH | Carcinogen |
| Ethoxylated Nonylphenol | 9016-45-9 | N/A | N/A | No |
| 2-Butoxyethanol | 111-76-2 | 25 ppm | 20 ppm TWA-TLV | No |
| Non-hazardous and other ingredients below reportable levels | Proprietary | N/A | N/A | N/A |

Engineering Controls:

Local exhaust ventilation should be used.

Personal Protective Equipment:

Eyes/Face:

Wear safety glasses or goggles.

Skin:

Use impervious gloves.

Respiratory:

None required where adequate ventilation conditions exist. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

General:

Eye wash fountain is recommended. Use good industrial hygiene practices in handling this material.

Section 9: Physical and Chemical Properties

| | |
|-------------------------------------------------|-------------------|
| Appearance: | Yellow liquid |
| Flammability Limits: | Not available. |
| Explosive Limits: | Not applicable. |
| Odor: | Orange |
| Odor Threshold: | Not available. |
| Vapor Density: | >1 |
| Vapor Pressure: | <20 mmHg |
| pH: | 9.5 |
| Relative Density: | 1.07 |
| Melting Point: | Not available. |
| Solubility: | Soluble in water. |
| Initial Boiling Point/Boiling Range: | Not available. |
| Flash Point: | >100°C |
| Autoignition Temperature: | Not available. |
| Evaporation Rate: | Not available. |
| Partition Coefficient (n-octanol/water): | Not available. |
| Decomposition Temperature: | Not available. |
| Viscosity: | Not available. |

Section 10: Stability and Reactivity

Reactivity:

May react with strong acids.

Chemical Stability:

This is a stable material under normal conditions.

Hazardous Decomposition:

None known.

Hazardous Polymerization:

Will not occur.

Incompatible Materials:

Strong acids.

Conditions Leading to Hazard:

Allowing product to freeze, storage with strong acids, storage in heat or by flame, allowing to contaminate water sources.

Section 11: Toxicological Information

Acute Toxicity Estimate – Oral: 3778 mg/kg

Acute Toxicity Estimate – Dermal: >5000 mg/kg

Reproductive Toxicity/Germ Cell Mutagenicity: No components with positive in-vivo tests.

Skin/Inhalation Sensitization: This product is not expected to cause sensitization.

Carcinogenicity: No carcinogenic components.

Section 12: Ecological Information

Existing Structure Activity Relationship (SAR) and Experimental data on the components of this product indicate Acute Toxicity Category 3, but no Chronic Environmental categorization. Bioaccumulation and other routes of aquatic contamination are not contributory.

None of the components of this product are listed in the Montreal Protocol or its Amendments.

Section 13: Disposal Concerns

Dispose of waste material in accordance with Local, State, Federal, and Provincial Environmental Regulations.

Section 14: Transport Information

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

Section 15: Regulatory Information

US Federal Regulations**CERCLA/SARA – Section 313 – Emission Reporting**

2-Butoxyethanol

State Regulations**California – Proposition 65 – Carcinogens List**

None.

