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|---------------------|------------------------|
| Health | 2 |
| Fire | 1 |
| Reactivity | 1 |
| Personal Protection | Safety Glasses, Gloves |

Barbicide

Material Safety Data Sheet

Barbicide

Section I-General Information

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|--|---|
| Distributed by: King Research, Inc 7025 W. Marcia Rd. Milwaukee WI 53223 | 24 Hour Emergency Telephone Number: Veolia Environmental Services Inc. 1-800-688-4005 Telephone for Information: (414) 977-1449 |
| Date Prepared: 12/30/09 Date Printed: 1/18/11 | Prepared by: Ron Dunnett |

Section II- Hazardous Ingredients/Identity Information

| Hazardous Components | CAS# | Hazardous | OSHA PEL | ACGIH TLV | Other Limits Recommended | % by Weight (Optional) |
|---|------------|-----------|----------|-----------|--------------------------|------------------------|
| *Isopropyl alcohol | 67-63-0 | Yes | 400 ppm | 400 ppm | 400 ppm | NA |
| Dimethyl benzyl ammonium chloride | 68424-85-1 | Yes | N/E | N/E | N/E | NA |
| *Sodium nitrite | 7632-00-0 | Yes | N/E | N/E | N/E | NA |
| *SARA Title III Section 313 Reportable | | | | | | |

Section III – Physical/Chemical Characteristics

| | | | |
|--------------------------------|-----------|---|--------------------------------------|
| Boiling Point: | 100° C | Specific Gravity @25°C: | 0.990-1.020 |
| Vapor Pressure (mm Hg) | N/A | Melting Point: | Not Applicable |
| Vapor Density (Air = 1) | N/A | Evaporation Rate (Butyl Acetate = 1) | Not Applicable |
| Solubility in Water: | Complete | % Volatiles by Volume | Not Applicable |
| pH: | 10.0-11.0 | Appearance and Odor: | Dark blue liquid with pleasant odor. |

Section IV- Fire and Explosion Hazard Data

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|---|
| Flash Point: 72° F, SETAFLASH Closed Cup ASTM D3278/D3828 |
| Extinguishing Media: Methods suitable for the surrounding fire such as Carbon dioxide, Water, Dry Chemical |
| Special Fire Fight Procedures: Non Needed |
| Unusual Fire and Explosion Hazards: N/A |

Section V- Stability and Reactivity Data

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|---|---|
| Stability: Stable | Hazardous Decomposition Products: None |
| Hazardous Polymerization: Will not occur | Incompatibilities: N/A |

BARBICIDE MSDS

Conditions to Avoid: Extreme temperatures

Section VI – Health Hazard Data

Routes of Entry:

*Skin Contact * Eye Contact *Ingestion *Inhalation

Carcinogenicity: **NO** ingredients listed as carcinogens by the NTP (National Toxicology Program) or the IARC (International Agency for Research on Cancer) or regulated by OSHA.

Health Hazards: Irritating to skin and eyes.

Signs and Symptoms of Exposure:

- **Eyes:** Burning sensation, watering, or redness.
- **Skin:** Irritation may occur in rare instances.
- **Inhalation:** Prolonged inhalation exposure may cause nausea, dizziness or disorientation.

Medical Conditions Generally Aggravated by Exposure: None Known

Section VII- First Aid Measures

Emergency and First Aid Procedures

- **Inhalation:** Remove to fresh air.
- **Ingestion:** Drink 1-2 glasses of water. If symptoms persist, seek medical attention. Do not induce vomiting without medical advice. Probable mucosal damage may contraindicate the use of gastric lavage. Ingestion of large quantities (greater than 50 ml) can cause circulatory shock. Seek immediate medical attention.
- **Skin Contact:** Wash liberally with soap and water. If on clothes, wash before reuse.
- **Eye Contact:** Flush with water for 15-20 minutes.

Section VIII- Precautions for Safe Handling and Use

Handling: Avoid ingestion and eye contact.

Storage: KEEP OUT OF REACH OF CHILDREN.

Section IX- Accidental Release Measures

Spills: Small Spills- (less than 1 gallon) May be washed down a drain with lots of water or cleaned up and disposed of into a sanitary sewer system. **Large Spills- (greater than 1 gallon)** Absorb with an inert material and take to an appropriate waste disposal facility.

Disposal Considerations: This product is not considered a RCRA Hazardous Waste as identified in Federal Regulations 40 CFR 261. Dispose of product by using in accordance with label directions or in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules).

Section X-Control Measures and Personal Protection

Ventilation and Respiratory Protection: General ventilation is normally adequate.

Engineering Controls: Mechanical (General): Normally sufficient.

Local Exhaust: Not normally needed.

Skin Protection: Rubber Gloves

Eye Protection: Use Safety Glasses when splashing into the eyes is possible.

Work/Hygiene Practices: A rubber or impervious apron is recommended when handling quantities greater than 1 gallon.

BARBICIDE MSDS

Section XI-Transportation Information

PROPER SHIPPING NAME : Flammable liquid n.o.s. (Isopropyl alcohol)

HAZARD CLASS: 3

UN NUMBER: 1993

PACKING GROUP: III

NOT DOT REGULATED UNDER NORMAL PACKAGING CONFIGURATIONS. EXEMPT UNDER THE AQUEOUS ALCOHOL EXEMPTION OF 49 CFR 173.150.

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied is given. It is the responsibility of the user to comply with all Federal, State and Local laws and regulations.