

SECTION I - Manufacturer's Information

Manufacturer: Rite-Kem, Inc. **CAGE:** 0VNN0
Address: 703 Westmoreland Drive, Tupelo, MS 38801 **GSA GS-07F-0283J**
Phone: 662-840-6060 or 800-841-5351
Emergency Phone: **CHEMTREC:** (800) 424-9300
Date Prepared: 04/29/98 **Date Revised:** 08/09/2006

HMIS Rating Health - 1 Flammability - 1 Reactivity -**

SECTION II - Hazardous Components of Mixture

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

<u>Components</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Ethylene glycol	107-21-1	50 ppm	10 ppm

All other components are non-hazardous and are a trade secret

SECTION III - Physical Characteristics

Boiling Point: 330-340°F
Vapor Pressure: <0.1 mmHg @ 20°C
Vapor Density: >1 (air =1)
Specific Gravity: 1.137 @ 60°F
pH @ 25°C: Not applicable
Melting Point: < -40°F
Evaporation Rate: <0.01 (butyl acetate = 1)
Solubility in Water: Soluble
Appearance and Odor: Clear, blue/green liquid; mild odor

SECTION IV - Fire and Explosion Data

Flash Point: >200°F (TCC)
Lower Flammable Level: Not determined
Upper Flammable Level: Not determined
Extinguishing Media: Water fog, foam, CO2, dry chemical.
Special Fire Fighting Procedures: Use self contained breathing apparatus and full bunker gear in fire areas where chemicals are involved. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.
Unusual Fire Fighting Hazards: Material will not burn unless pre-heated. Do not enter confined fire space without full bunker gear, including a positive pressure self-contained breathing apparatus.

SECTION V - Stability

Stability: Stable
Conditions to Avoid: Strong oxidizing agents
Incompatibilities (materials to avoid): Strong oxidizing agents
Hazardous Decomposition or Byproducts: CO and CO₂ and unidentified organic compounds may form during combustion.
Hazardous Polymerization: Will not occur
Conditions to Avoid: None

SECTION VI - Health Hazard Data

PEL/TLV: See SECTION II for components

Route(s) of Entry: Contact and mist inhalation primary; ingestion possible

Health Hazards (acute and chronic): EYES: Contact may cause moderate to severe eye irritation including stinging, watering and redness. Vapors can also be irritating to the eyes.

SKIN: Contact may cause mild skin irritation including redness, burning and drying and cracking of the skin. No harmful effects from skin absorption are expected.

INHALATION: Low degree of toxicity by inhalation. May cause mild irritation to upper respiratory tract and CNS depression.

INGESTION: Moderate to high degree of toxicity by ingestion; may be harmful or fatal if swallowed. May produce CNS depression and kidney damage which may be fatal. Aspiration hazard. Can enter lungs during swallowing or vomiting and cause chemical pneumonia and edema.

Carcinogenicity: Not listed as a carcinogen

Signs and Symptoms of Overexposure: Reddening and irritation of contact areas; coughing and dizziness with prolonged inhalation of mist/vapors; nausea and dizziness if ingested.

Medical Conditions Aggravated by Exposure: Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product. Impaired kidney function from pre-existing disorders may be aggravated by exposure to this product.

Additional Toxicity Information: Acute oral LC₅₀ 4.0 g/Kg (Rat)

Emergency First Aid Procedures: EYES: Flush with water for 15 minutes. Seek immediate medical attention.

SKIN: Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persists, seek medical attention.

INHALATION: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.

INGESTION: **Do Not Induce Vomiting.** Immediately contact a poison control center, emergency treatment center or physician.

SECTION VII - Handling and Storage

Steps to be Taken if Material is Released or Spilled: For large spills, wear respiratory and protective clothing as appropriate (use cautious judgment). Shut off source of leak if safe to do so, dike and contain the spill. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with water to remove trace residue. For small spill, take up with an absorbent material and dispose of properly. Comply with all Federal, State and local regulation in reporting spill and cleanup. Reportable quantity is 5000 pounds (ethylene glycol).

Waste Disposal Method: Follow Federal, state, and local regulations. Not a RCRA hazardous waste if uncontaminated.

Precautions to be Taken in Handling and Storing: NFPA Class III B storage. Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling. "Empty" containers retain residue and/or vapor and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flames, sparks, or other sources of ignition. Keep containers tightly closed when not in use. Store out of direct sunlight and in a cool, well-ventilated area

SECTION VIII - Personal Protection

Clothing: Impervious apron and work boots recommend where splashing may occur.
Work/Hygienic Practices: Follow accepted work and hygiene practices for handling an industrial chemical. Do not eat, drink, or smoke where this product is handled or stored. Have eye wash stations and safety showers available as Federal and local regulations require.
Respiratory Protection: Use the proper NIOSH approved respirator in areas where the chemical exposure is above the OSHA PEL or ACGIH TLV.
Ventilation: Adequate local or mechanical to reduce mist/vapor.
Protective Gloves: Oil impervious such as neoprene or vinyl.
Eye Protection: Goggles or approved OSHA device.

SECTION IX - Other Regulatory Information

Sara Title III Section 302/304 Extremely Hazardous Substance

Component	CAS#	% by wt	TPQ (lbs)
None			

CERCLA Section 102(a) Hazardous Substance

Component	CAS#	% by wt.	RQ (lbs)
Ethylene glycol	107-21-1	84-94%	5,000 lbs

Sara Title III Section 311 Hazard Categorization

Acute (x)	Chronic ()	Fire ()	Pressure ()	Reactive ()	NA ()

SARA Title III Section 313 Supplier Information

Component	CAS#	% by weight in this
Ethylene glycol	107-21-1	84-94%

Section X - Shipping Information:

Shipments > 5,250 lbs

Shipments < 5,250 lbs

Name:	Bulk Antifreeze	Antifreeze
Proper Shipping Name:	Environmentally Hazardous Substance, n.o.s. (Ethylene glycol)	Not regulated
Hazard Class:	9	Not applicable
UN Number:	UN3082, PG III	Not applicable
Reportable quantity:	5,000 lbs	Not applicable
Hazard Label:	Environmentally Hazardous Substance, liquid	

****HMIS** ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this product, all the information contained in this MSDS must be considered.

Comments: Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapor, mists, or fumes should be minimized.

Disclaimer: The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Rite-Kem, Inc. assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.