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## FOAMING COOLING COIL CLEANER

**HMIS: 2-0-1**

**NFPA: 2-0-1**

Data Sheet: 121  
 Prepared: 12/28/05  
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This Material Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200.

### SECTION 1: COMPOSITION / INFORMATION ON INGREDIENTS

If present, IARC, NTP, and OSHA Carcinogens are identified with an asterisk (\*) in this section.

<u>Ingredient(s)</u>	<u>Exposure Limits</u>	<u>Percent</u>	<u>Note</u>
Diethylene glycol monoethyl ether CAS#: 111-90-0	Not Established	<3%	
Ethylene glycol monoethyl ether CAS #: 111-76-2	50 ppm	<3%	
Propane CAS #: 74-98-6	1000 ppm		
Isobutane CAS #: 75-28-5	Not Established		

### SECTION 2: HAZARDS IDENTIFICATION

**Permissible Exposure Limits:** Not established for this product.

**Effects of Acute Overexposure:**

**Eyes:** May cause irritation, dryness, redness, or watering.

**Skin:** May cause itching, dryness, redness, or irritation.

**Breathing:** Large amounts of vapors may cause nausea, dizziness.

**Swallowing:** Nausea, headache and vomiting.

**Primary Route(s) of Entry:** Skin contact, eye contact, ingestion and inhalation.

### SECTION 3: FIRST AID MEASURES

**EYES:** Immediately remove individual from exposure area into fresh air. Flush eyes with water for at least 15 minutes while holding eyelids apart. Seek immediate medical attention.

**SKIN:** Remove contaminated clothing. Wash exposed area with large amounts of soap and water. If irritation persists or open sores develop, get immediate medical attention.

**BREATHING:** If affected, remove individual to fresh air. If breathing is difficult, administer oxygen (if you have been trained in its use). If breathing has stopped, give artificial respiration. Keep person warm, quiet and get immediate medical attention. If possible do not leave person unattended.

**SWALLOWING:** Do not induce vomiting. Vomiting will cause further damage to the mouth and throat. Seek immediate medical attention.

### SECTION 4: FIRE FIGHTING MEASURES

**Flash Point:** None.

**Explosive Limit:** Not Established for product.

**Extinguishing Media:** Foam, CO<sub>2</sub>, Dry Chemical, Halon.

**Hazardous Decomposition Products:** Open flames can cause hydrogen chloride, phosgene, chlorine.

**Fire Fighting Procedures:** Wear Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fire fighting.

**Special Fire and Explosion Hazards:** Exposure to temperatures over 120 degrees F. May cause bursting or venting. Heat or fire may cause hazardous fumes: Carbon Monoxide.

### SECTION 5: ACCIDENTAL RELEASE MEASURES

**Procedures for cleanup:** Ventilate area. Avoid breathing vapors. Wear appropriate protective clothing. Use inert absorbent material to soak up spill. Keep out of water supply. Follow Local, State, and Federal regulations for proper disposal.

### SECTION 6: HANDLING AND STORAGE

Minimize temperature extremes. Keep containers closed when not in use. Keep away from direct sunlight.

### SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory Protection:** Not required under normal conditions of use; however, if sprayed or used in confined areas, a NIOSH / MSHA approved respirator may be advised in absence of proper environmental control. OSHA regulations also permit other NIOSH / MSHA respirators under specified conditions -- see 29 CFR 1910.134 or your safety equipment supplier. Engineering and/or administrative controls should be implemented to reduce exposure.

**Ventilation:** Provide sufficient mechanical ventilation (general and/or local exhaust) to maintain exposure below recommended exposure limits.

**Protective Gloves:** Wear chemical resistant gloves such as neoprene or rubber. Contact your safety equipment supplier.

**Eye Protection:** Chemical splash goggles and a face shield to prevent splash on to the face, in compliance with OSHA regulations, are advised.

**Other Protective Equipment:** To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

### SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

<u>Property</u>	<u>Measurement</u>	<u>Property</u>	<u>Measurement</u>
Boiling Point	NA	Specific Gravity	1.0 @25C
Vapor Pressure	50 psig @ 25C	Reactivity in Water	NA
Vapor Density	>1	Evaporation Rate	<1
Solubility In Water	Soluble		
Appearance	White foam, Sweet odor	pH	11.8

### SECTION 9: STABILITY AND REACTIVITY

**Hazardous Polymerization:** Can not occur.

**Stability:** Stable.

**Incompatibility:** Avoid contact with strong oxidizing agents.

**Decomposition:** Open flames can cause hydrogen chloride, phosgene, chlorine.

### SECTION 10: TOXICOLOGICAL INFORMATION

No data available at this time.

### SECTION 11: ECOLOGICAL INFORMATION

No data available at this time.

### SECTION 12: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all Local, State, and Federal regulations.

This product may be classified as an RCRA Hazardous Waste D002 due to the pH of the solution and the corrosive characteristics.

### SECTION 13: TRANSPORTATION INFORMATION

**DOT Hazard Classification:** Consumer Commodity. ORM-D

### SECTION 14: REGULATORY INFORMATION

SARA Title III, Section 313 chemicals: Ethylene Glycol Monoethyl Ether

SARA Title III, Section 312: Health - Acute (Yes) Chronic (No) Fire (Yes) Reactivity (No)

Proposition 65 : None

### SECTION 15: OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.