

Product Name: ANTI-ICING AND DEFROSTING FLUID

Section 1. GENERAL INFORMATION

AJ Chemicals Lubricants & Equipment Co  
2100 E. State Street Ext  
Trenton, New Jersey 08619

Emergency Telephone Number  
(804) 737-8707  
Date Prepared  
March 1, 2010

FSCM/FSCNM: Hazardous Material: Yes Specification: MIL-A-8243D Type II  
Chemical Family: Glycols

Section 2. Composition

Chemical Name(Ingredients): Ethylene Glycol (1,2-Ethanediol) 88% TLV: 50 PPM(125 mg/m )  
CAS 107-21-1

Section 3: Physical Properties

Boiling Point(°F & °C):	387°F(1970)	Specific Gravity:	1.13
Evaporation Rate(Bu Acetate):	0.01	Decomposition Temp:	N/A
Vapor Density(Air):	2.1	Freezing(Melting Point)( °C & °F)	-5(20.56)
Critical Temp(°F & °C):	N/A	Viscosity:	20°C CS 1/15 1.9
Vapor Pressure:	0.06	Percent Volatile by Volume(%):	N/A
pH:	9.1	Magnetism(Mg):	N/A
Solubility in Water:	Complete	Autoignition Temp:	N/A
Critical Pressure:	N/A	Corrosion Rate:	N/A
Appearance and Odor:	Clear Colorless liquid Characteristic Glycol Color		

Section 4: Fire And Explosion Hazard Data

Flash Point(Method Used):	250°F (121°C) Cleveland open cup
Flammable(Explosive) Limits:	LEL: 3.2 (Estimated) DEL: 15.3 (Estimated)
Extinguishing Media:	Alcohol Foam, Water Fog, Foam, CO and Dry Chemicals.
Special Fire Fighting Procedures and Equipment:	Use Self-Contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards:	None

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**Section 5. Health Hazard Data**  
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**Effects of Acute and Chronic Overexposure:**

**Ingestion** may cause abdominal discomfort, pain, dizziness, malaise, lumbar pain, oliguria, uremia, depression, kidney damage.

**Inhalation** will irritate nose & throat may cause nausea, vomiting, headache, dizziness, eye transient conjunctivitis.

**Swallowing:** If conscious give two glasses of water and induce vomiting. Call a Physician immediately.

**Skin:** Remove contaminated clothing, flush skin with water.

**Inhaling:** Remove to fresh air, call a Physician if discomfort persists.

**Eyes:** Flush with water immediately, continue rinsing for several minutes.

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**Section 6. Reactivity Data**  
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<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	None
<b>Incompatibility(Materials to Avoid):</b>	Strong Oxidizing Agents
<b>Hazardous Decomposition Products:</b>	Carbon Monoxide & Unidentified organic compounds may be formed during combustion.
<b>Hazardous Polymerization:</b>	Will Not Occur.
(Conditions to Avoid)	None

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**Section 7. Spill or Leak Procedures**  
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**Steps To Be Taken In Case Material Is Released Or Spilled:**

Wear NIOSH approved respirator & Protective equipment. Dike. Remove liquid with vacuum truck or by pumping into salvage drum. Soak up residues & small spills with absorbent material such as clay, put in tightly closed containers, flush away traces with water. Keep from sewers & waterways.

**Waste Handling And Disposal Method:**

Incinerate in a furnace where permitted under Federal and Local regulations. At very low concentrations product is readily biodegradable in a biological waste water treatment plant.

**Neutralizing Agent:** Not Applicable

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**Section 8. Occupational Protective Measures**  
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**Respiratory Protection(specify type):** NIOSH approved breathing air equipment or NIOSH approved mask with organic vapor cartridge & dust or mist pre-filter. Not for use in fire fighting.

**Ventilation:** General (Mechanical) room ventilation.

**Protective Gloves:** Rubber or Polivinyll Chloride Coated.

**Eye Protection:** Monogoggles/Face Shield.

**Other Personal Protective Equipment:** Eye Bath and Safety Shower.

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**Material Safety Data Sheet**

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**Section 9. Special Precautions**  
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**Handling And Storage Precautions:** Store in Cool, Dry Place.

**Other Precautions:** None

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**Section 10. Transportation**  
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**Applicable Regulations:** N/A

**Shipping Name:** N/A

**ID Number:** N/A

**Report Qty:** No

**Hazard Class:** N/A

**Labels:** None

**Unit Container:** 55-gal/drum

**DOT SPSC Container:** N/A

**DOT Exempt/DOD CCN:** N/A

**Limited Qty:** None

**Aerosol Propellant(s):** N/A

**Net Expl Wt:** N/A  
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