

Science Stuff, Inc.  
1104 Newport Ave  
Austin, TX 78753

*Cooling Loop*  
Material Safety Data Sheet

Phone (512) 837-6020  
Chemtrec 800-424-9300  
24 Hour Emergency Assistance

<b>Section 1 Identification</b>						<b>Section 6 Accidental Release Measures</b>													
Product Number: C1722		Product Name: Ethylene Glycol Laboratory Grade		Trade/Chemical Synonyms:		Formula: HOCH <sub>2</sub> CH <sub>2</sub> OH		RTECS: KW2975000		C.A.S: CAS# 107-21-1		Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.		<b>Section 7 Handling and Storage</b>					
Health: 2		Flammability: 1		Reactivity: 0		Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4		NA = Not Applicable NE = Not Established		Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.		<b>Section 8 Exposure Controls &amp; Personal Protection</b>							
<b>Section 2 Component Mixture</b>						<b>Section 9 Physical and Chemical Properties</b>													
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:	Melting Point: -13 Deg C		Specific Gravity: 1.115 @20 C		Boiling Point: >197 Deg C		Percent Volatile by Volume:		<b>Section 10 Stability and Reactivity Information</b>					
<input checked="" type="checkbox"/>	Ethylene Glycol	CAS# 107-21-1	100%	V/V	OSHA PEL 127 mg/m <sup>3</sup> (50 ppm) ceiling, Vapor & mist	Vapor Pressure: 0.08 mmHG		Evaporation Rate: 0.01		Vapor Density: 2.1		Evaporation Standard: Butylacetate =1		Stability: Stable Conditions to Avoid: None known					
<b>Section 3 Hazard Identification (Also see section 11)</b>						Solubility in Water: Soluble						Auto ignition Temperature: applicable		Materials to Avoid: Strong acids, bases, strong oxidizing agents.					
Keep away from heat and ignition sources. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.						Appearance and Odor: Colorless mildly sweet liquid		Lower Flamm. Limit in Air: 3.2 approximate		Flash Point: 116.1 C (241 F)		Upper Flamm. Limit in Air: 15.3 approximate		Hazardous Decomposition Products: Carbon dioxide, carbon monoxide		<b>Section 11 Additional Information</b>			
<b>Section 4 First Aid Measures</b>						FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention						Hazardous Polymerization: Will Not Occur		Condition to Avoid: None known		Ingestion may cause abdominal discomfort, pain or nausea, blurred vision, and central nervous system disorders. Eye contact may cause irritation, tear production, redness. May aggravate existing kidney condition. Persons with preexisting eye, skin or respiratory problems may be more susceptible. Target organs: kidney,			
<b>Section 5 Fire Fighting Measures</b>						EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen						INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.		Fire Extinguisher Type: Apply alcohol or all purpose foam for larger fires. Carbon dioxide may be used for smaller fires.		Fire/Explosion Hazards: Fire possible at elevated temperatures.		Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.	

central nervous system.

DOT Classification: Not Regulated

DOT regulations may change from time to time.  
Please consult the most recent version of the  
relevant regulations.

Revision	Date Entered:	Approved by:
No:0	9/1/2006	WPF

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