

**OSHA-Required Health And Safety Information!**

This Material Safety Data Sheet (MSDS) was requested moments ago from Hercules Automated Fax Information System. Please forward it immediately to the person in charge of MSDS's, or retain it at the machine until claimed.

**Section 1****MATERIAL SAFETY DATA SHEET # 129**  
**Hercules Solar System Antifreeze****MATERIAL SAFETY INFORMATION SERVICE**

Hercules Chemical Company Inc.  
111 South Street  
Passaic NJ 07055  
Phone (800) 221-9330  
Fax (800) 333-3456

Date Prepared: 7/7/2011 Last Reviewed: 7/7/2011

Meets OSHA 29 CFR 1910.1200

**Section 2 - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity;  
Common Name(s), CAS Numbers)

OSHA PEL

ACGIH TLV

Other Limits

Upper Bound  
Limit if SARA  
Reportable

This product is not classified as hazardous in accordance with OSHA 1910.1200

**HMIS Hazard Rating:** Health: 0 Flammability: 0 Reactivity: 0 Personal Protection: A

**Section 3 - Physical/Chemical Characteristics**

<b>Boiling Point (°F):</b>	<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	<b>Vapor Density (Air = 1):</b>	<b>Vapor Pressure (mm Hg):</b>
230°	1.04	2.62	At 20° C 0.22
<b>Melting Point (° F)</b>	<b>Evaporation Rate: (Butyl Acetate = 1)</b>	<b>Solubility in Water:</b>	<b>VOC Level (g/l):</b>
N/A		Soluble	None
<b>Appearance And Color:</b>	Green liquid	<b>Odor:</b>	Odorless

**Section 4 - Fire And Explosion Hazard Data**

<b>Flash Point:</b>	<b>Flammable Limits:</b>	<b>LEL:</b>	<b>UEL:</b>
N/A	None		

**Extinguishing Media:** Water fog, alcohol foam, dry chemical.

**Special Firefighting Procedures:**  
None

**Unusual Fire And Explosion Hazards:**  
None

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**Section 5 - Reactivity Data**

Stability: Stable                      Conditions To Avoid: None

Incompatibility                      Oxidizing materials.  
(Materials To Avoid):

Hazardous Decomposition:        None

Hazardous Polymerization:        Will Not Occur

**Section 6 - Health Hazard Data**

Routes of Entry:    Inhalation    N/A                                      Skin    N/A                                      Ingestion    N/A

**Health Hazards:**

Very low single dose oral toxicity; eye and skin essentially no effect.

Carcinogenicity:    NTP    NO                      IARC    NO                      OSHA Regulated    NO

**Signs And Symptoms of Exposure:**

None

**Medical Conditions Generally Aggravated By Exposure:**

None

**Emergency And First Aid Procedures:**

EYE AND SKIN CONTACT: Like with all foreign material, flushing and washing with water is good safety and hygienic practice. INGESTION: Low in toxicity; induce vomiting if large amounts are ingested.

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**Section 7 - Precautions For Safe Handling And Use:****Steps To Be Taken In Case Material Is Released Or Spilled:**

Cover with absorbent material; let soak and sweep up.

**Waste Disposal Method:**

Incinerate or bury (landfill) away from water supplies in accordance with local regulations.

**Precautions To Be Taken In Handling And Storing:**

None

**Other Precautions:**

None

**Section 8 - Control Measures:****Respiratory Protection:**

None required.

Ventilation: Local Exhaust Adequate  
Mechanical N/A

Special N/A

Other N/A

Gloves: None required.

Eye Protection: If possibility of splashing, use safety goggles.

Other Protective Clothing: None

Work/Hygienic Practices Wash thoroughly after handling.



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For Hercules Material Safety Data Sheets by fax anytime, day or night, just call 1-800-942-INFO (1-800-942-4636) from any Touch-Tone phone. Have your fax number ready. Checking the product label for the correct MSDS # will save time.