

# Material Safety Data Sheet # 382

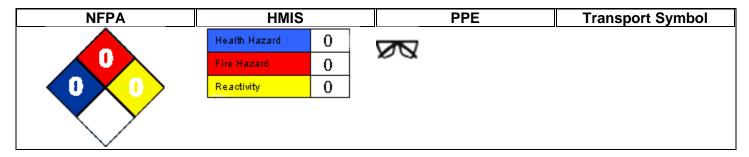
**Hercules Chemical Company Inc.** 

111 South Street

Passaic NJ 07055-7398

Information Telephone: 1-800 221-9330

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Preparation Date 07-Jul-2006

Revision Date 15-Jul-08

**Revision Number 1** 

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Hercules Solar System Antifreeze

Recommended Use Antifreeze

**Supplier Address** 

Hercules Chemical Company, Inc.

111 South St. Passaic, NJ 07055 TEL: 973-778-5000

Company Emergency Phone Number 1-800-221-9330

Emergency Telephone Number Chemtrec 1-800-424-9300

# 2. HAZARDS IDENTIFICATION

# **Emergency Overview**

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Green Physical State Liquid Odor Odorless

### **Potential Health Effects**

Principle Routes of Exposure Skin contact, Eye contact.

**Acute Effects** 

**Eyes** May cause irritation.

**Skin** May cause skin irritation and/or dermatitis.

**Inhalation** None known.

**Ingestion** Ingestion may cause stomach discomfort.

Chronic Effects No known effect based on information supplied

Aggravated Medical Conditions Skin disorders.

Potential Environmental Effects See Section 12 for additional Ecological information

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propylene Glycol	57-55-6	30-60
NJTSR # 31348300 5065P	Proprietary	1-5

# 4. FIRST AID MEASURES

Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a

physician.

**Skin Contact** Wash skin with soap and water

**Inhalation** Move to fresh air

Ingestion Clean mouth with water and afterwards drink plenty of water

Notes to Physician Treat symptomatically

# 5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable

Flash Point No data available

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Hazardous Combustion Products Carbon oxides, Phosphorus oxides.

**Explosion Data** 

Sensitivity to mechanical impact Not sensitive
Sensitivity to static discharge Not sensitive

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA	Health 0	Flammability 0	Instability 0	Physical Hazard -
HMIS	Health 0	Flammability 0	Instability 0	
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# 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**Use personal protective equipment. Avoid contact with the skin and the eyes.

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

Methods for Clean-up Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

### 7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin

and eyes.

Storage Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of

children.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**This product does not contain any hazardous materials with occupational exposure limits

established by the region specific regulatory bodies.

Engineering Controls Showers

Eyewash stations Ventilation systems

**Personal Protective Equipment** 

**Eye/face Protection** Safety glasses with side-shields.

**Skin Protection** No special protective equipment required

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory

protection should be worn.

#### **General Hygiene Considerations**

Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

AppearanceGreenOdorOdorlessPhysical StateLiquidpH7.0-8.5

Flash PointNo data availableAutoignition TemperatureNot applicableBoiling Point/Range110°C / 230°FMelting Point/RangeNo data available

Flammability Limits in Air No data available

Specific Gravity 1.05 Water Solubility Soluble in water

Solubility No data available VOC Content None

# 10. STABILITY AND REACTIVITY

Chemical Stability Stable under recommended storage conditions.

Conditions to Avoid None known based on information supplied.

Incompatible Materials Strong oxidizing agents.

Hazardous Decomposition Products Carbon monoxide, Carbon dioxide (CO2).

Hazardous Polymerization Will not occur.

# 11. TOXICOLOGICAL INFORMATION

#### **Acute Toxicity**

**Product Information** Product has not been tested as a whole for acute toxicity hazard.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propylene Glycol	20000 mg/kg (Rat)	20800 mg/kg ( Rabbit )	

**Chronic Toxicity** 

**Carcinogenicity** There are no known carcinogenic chemicals in this product.

**Reproductive Effects**This product does not contain any known or suspected reproductive hazards.

Target Organ Effects None known

**Endocrine Disruptor Information**This product does not contain any known or suspected endocrine disruptors.

# 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

Contains no substances known to be hazardous to the environment.

Chemical Name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Propylene Glycol	EC50 = 19000 mg/L 96 h		EC50 = 710 mg/L 30 min	EC50 > 10000 mg/L 48 h

# 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** 

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging** 

Dispose of in accordance with local regulations.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

TDG Not regulated

MEX Not regulated

<u>ICAO</u> Not regulated

IATA Not regulated

IMDG/IMO Not regulated

# 15. REGULATORY INFORMATION

#### International Inventories

Complies **TSCA DSL/NDSL** Complies

**EINECS/ELINCS** Does not Comply **ENCS** Does not Comply Does not Comply **CHINA KECL** Does not Comply **PICCS** Does not Comply **AICS** Does not Comply

### **U.S. Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA 311/312 Hazard Categories

**Acute Health Hazard Chronic Health Hazard** No Fire Hazard No Sudden Release of Pressure Hazard No **Reactive Hazard** No

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### **U.S. State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

# U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
NJTSR # 31348300 5065P		Χ			

### **International Regulations**

**Mexico - Grade** Minimum risk, Grade 0

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### **WHMIS Hazard Class**

Non-controlled

**Revision Date** 

### 16. OTHER INFORMATION

**Preparation Date** 07-Jul-2006 07-15-2008

**Revision Summary** No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of MSDS**