



# Material Safety Data Sheet # 322

Hercules Chemical Company Inc.  
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Passaic NJ 07055-7398  
Information Telephone: 1-800 221-9330  
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NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"><tr><td>Health Hazard</td><td>0</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	0	Fire Hazard	0	Reactivity	0		
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Fire Hazard	0								
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Preparation Date 27-Jul-2006

Revision Date 19-May-2010

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Hercules Megabubble Leak Detector  
**Recommended Use** Leak detector

**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** Blue **Physical State** Liquid **Odor** Odorless

#### Potential Health Effects

**Principle Routes of Exposure** Skin contact, Eye contact.

#### Acute Effects

**Eyes** May cause irritation.  
**Skin** No known effect.  
**Inhalation** No known effect.  
**Ingestion** No known effect.

**Chronic Effects** No known effect.

**Aggravated Medical Conditions** Skin disorders. Preexisting eye 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
Glycerol	56-81-5	10-30

#### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids.
<b>Skin Contact</b>	Wash off with warm water and soap.
<b>Inhalation</b>	Move to fresh air
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water
<b>Notes to Physician</b>	Treat symptomatically

#### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Not flammable
<b>Flash Point</b>	No data available
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Explosion Data</b>	
<b>Sensitivity to mechanical impact</b>	Not sensitive
<b>Sensitivity to static discharge</b>	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

<b>NFPA</b>	<b>Health</b> 0	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical Hazard</b> -
<b>HMIS</b>	<b>Health</b> 0	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Personal Protection</b> -

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Ensure adequate ventilation
<b>Methods for Containment</b>	Dike to collect large liquid spills. Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-up</b>	Cover liquid spill with sand, earth or other noncombustible absorbent material. Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerol	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	

NIOSH IDLH: Immediately Dangerous to Life or Health

**Engineering Controls**                      Showers  
 Eyewash stations  
 Ventilation systems

**Personal Protective Equipment**  
**Eye/face Protection**                      If splashes are likely to occur, wear Goggles.  
**Skin Protection**                              No special protective equipment required  
**Respiratory Protection**                      No special protective equipment required.

**General Hygiene Considerations**        Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Blue	<b>Odor</b>	Odorless
<b>Physical State</b>	Liquid	<b>pH</b>	7
<b>Autoignition Temperature</b>	Not applicable	<b>Boiling Point/Range</b>	100°C / 212°F
<b>Melting Point/Range</b>	No data available		
<b>Flammability Limits in Air</b>	No data available		
<b>Specific Gravity</b>	1	<b>Water Solubility</b>	Soluble in water
<b>Solubility</b>	No data available	<b>VOC Content</b>	435 g/l
<b>Viscosity</b>	130 cps		

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid</b>	None known based on information supplied.
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	None known based on information supplied
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Product Information**                      Product does not present an acute toxicity hazard based on known or supplied information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propylene Glycol	20000 mg/kg ( Rat )	20800 mg/kg ( Rabbit )	
Glycerol	12600 mg/kg ( Rat )	10 g/kg ( Rabbit )	570 mg/m <sup>3</sup> ( Rat ) 1 h

### Chronic Toxicity

<b>Chronic Toxicity</b>	No known effect.
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.
<b>Reproductive Effects</b>	This product does not contain any known or suspected reproductive hazards.
<b>Target Organ Effects</b>	None known
<b>Endocrine Disruptor Information</b>	This product does not contain any known or suspected endocrine disruptors.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Ecotoxicity effects.

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
Glycerol				EC50 > 500 mg/L 24 h

Chemical Name	log Pow
Glycerol	-1.76

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	This material, as supplied, is not a hazardous waste according to state and Federal regulations (40 CFR 261)
<b>Contaminated Packaging</b>	Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated
<b><u>MEX</u></b>	Not regulated
<b><u>ICAO</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG/IMO</u></b>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not Comply
CHINA	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

### 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	No
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
Propylene Glycol			X		X
Glycerol	X		X		X

### International Regulations

#### Mexico - Grade

Minimum risk, Grade 0

Chemical Name	Carcinogen Status	Exposure Limits
Glycerol		TWA: 10 mg/m <sup>3</sup>

#### 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

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16. OTHER INFORMATION

**Preparation Date** 27-Jul-2006

**Revision Date**

**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**