





# Material Safety Data Sheet # 332

Hercules Chemical Company Inc.  
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NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>2</td></tr><tr><td>Fire Hazard</td><td>1</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	2	Fire Hazard	1	Reactivity	0		
Health Hazard	2								
Fire Hazard	1								
Reactivity	0								

Preparation Date 14-Jul-2006

Revision Date

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identity:** HERCULES HIGH TEMPERATURE SILICONE

**Manufacturer:** Hercules Chemical Company, Inc.  
111 South Street  
Passaic, New Jersey 07055-7398

**Information Telephone:** (800) 221-9330

**Internet:** <http://www.herchem.com>

**Emergency Phone:** CHEMTREC: (800) 424-9300

**MSDS Date of Preparation:** 4/19/06

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Percentage (wt.)	OSHA PEL	ACGIH TLV	Other limits
Ethyltriacetoxysilane	17689-77-9	1-5 %	200 ppm	200 ppm	
Methyltriacetoxysilane	9003-56-9	1-5 %	n/a	n/a	

HMIS Hazard Rating: 2 1 0 A

## 3. HAZARDS IDENTIFICATION

This product is a creamy red paste with acetic acid odor.

### EMERGENCY OVERVIEW

When heated to temperatures above 150C in presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer and an irritant to eyes, nose, throat, skin and digestive system. Safe handling conditions may be maintained by local ventilation.

Potential Health Effects.

**Inhalation:** Slight irritation of respiratory system. Overexposure may cause drowsiness.

**Ingestion:** May produce abdominal pain and nausea.

**Eye:** Causes moderate eye irritation and inflammation of conjunctiva.

**Skin:** Prolonged skin contact causes moderate irritation.

**4. EMERGENCY AND FIRST AID PROCEDURES.**

**Eye:** Immediately flush victim's eyes with large quantities of water, for at least 15 minutes, holding the eyelids apart. Get immediate medical attention.

**Skin:** Wash with soap and water. Remove contaminated clothing. Wash contaminated clothing before reuse. If irritation develops, get medical attention.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

**Ingestion:** DO NOT INDUCE VOMITING. Get medical attention.

**5. FIRE FIGHTING MEASURES**

**Flashpoint:** Not flammable.

**Flammable Limits:** LEL: n/a UEL: n/a

**Autoignition Temperature:** Not determined

**Extinguishing Media:** Foam, Dry Chemical, Carbon Dioxide or water spray.

**Unusual Fire or Explosion Hazards:** When heated above 150C in presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer. Safe levels maybe maintained by local ventilation.

**Special Fire-Fighting Instructions:** Firefighters should wear positive pressure self-contained breathing apparatus and chemical goggles.

**Hazardous Combustion Products:** Carbon Dioxide and Carbon Monoxide, silicone dioxide and formaldehyde.

**6. ACCIDENTAL RELEASE MEASURES**

Eliminate all sources of ignition. Ventilate area. Wear appropriate personal protection equipment. Absorb with inert absorbing material and dispose of with solid waste according to Federal, State and Local regulations. Wash spill area with water. Do not flush wash water into confined areas.

**7. HANDLING AND STORAGE**

**Handling:** Do not get in eyes, on skin or clothing. Avoid breathing vapors. Keep product away from oxidizing. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

**Storage:** Store in a cool, dry, well ventilated area away from incompatible materials. Keep containers closed and store away from excess moisture.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Respiratory Protection:** Avoid breathing vapors. In confined spaces, or in areas where adequate ventilation cannot be assured, use NIOSH-approved organic vapor respirator.

**Engineering Controls:** Use with general or local exhaust ventilation as required.

**Skin Protection:** Avoid skin contact. Wear rubber gloves.

**Eye Protection:** Safety glasses with side shields or Chemical Safety goggles when necessary.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance and Odor:** creamy red paste with acetic acid odor.

<b>Physical State:</b> paste	<b>Boiling Point:</b> N/A
<b>Vapor Density:</b> not determined	<b>Vapor Pressure:</b> Not determined.
<b>Solubility In Water:</b> not soluble	<b>Evaporation Rate:</b> Not determined
<b>Specific Gravity (77F/25C):</b> 1.007	<b>Volatile Components:</b> Not determined
<b>Melting Point:</b> N/A	

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal storage and handling conditions.

**Incompatibility:** Strong oxidizing materials, moisture and heat.

**Hazardous Decomposition Products:** Carbon Dioxide and Carbon Monoxide, silicon dioxide and formaldehyde.

**Hazardous Polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### HEALTH HAZARDS:

**Ingestion:** Swallowing may cause abdominal pain, nausea, vomiting.

**Inhalation:** Inhalation of vapors will cause slight irritation of respiratory passageways. Overexposure may cause drowsiness.

**Eye:** May cause moderate to severe irritation.

**Skin:** Repeated exposure may cause moderate irritation.

**Sensitization:** Possible skin and respiratory system sensitizer.

**Chronic:** Severe overexposure can cause drowsiness, skin irritation, and eye, nose and throat irritation.

**Carcinogenicity:** Not known

**Mutagenicity:** Not known.

**Medical Conditions Aggravated by Exposure:** chronic bronchitis.

**Reproductive Toxicity:** Not known.

## 12. ECOLOGICAL INFORMATION

Do not allow paste product to enter waste water drains.

### 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal environmental regulations.

## 14. TRANSPORT INFORMATION

<b>Transportation of Dangerous Goods Description:</b>	<b>DOT:</b> Not regulated
	<b>IMDG:</b> Not regulated

## 15. REGULATORY INFORMATION

Hazard Category for Section 311/312: Acute health,-yes

Section 313 Toxic Chemicals: Acetic Acid CAS# 64-19-7

Contains chemicals regulated under RTK in New Jersey, Massachusetts and Pennsylvania.  
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.

All ingredients on this product are currently listed on Canada DSL.

## 16. OTHER INFORMATION

**DISCLAIMER:**

The information herein has been compiled from sources believed to be reliable, up-to-date, and is accurate to the best of our knowledge. However, Hercules cannot give any guarantees regarding information from other sources, and expressly does not make warranties, nor assumes any liability for its use.