

# 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 # 91**  
**Plastic Seal - "Gun Grade Cartridge"**



**MATERIAL SAFETY INFORMATION SERVICE**

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

Date Prepared: 11/4/1996 Last Reviewed: 9/30/2009

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
ISOCYANATE FUNCTIONAL URETHANE RESIN CAS 112898-48-3	N/A	N/A	N/A	N/A

**HMIS Hazard Rating:** Health: 1 Flammability: 0 Reactivity: 0 Personal Protection: B

**Section 3 - Physical/Chemical Characteristics**

Boiling Point (°F):	Specific Gravity (H <sub>2</sub> O = 1):	Vapor Density (Air = 1):	Vapor Pressure (mm Hg):
N/A	1.6	N/A	N/A
Melting Point (° F):	Evaporation Rate: (Butyl Acetate = 1)	Solubility in Water:	VOC Level (gpl):
N/A	0.0	Insoluble	4
Appearance And Color:	Paste	Odor:	N/A

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

Flash Point:	Flammable Limits:	LEL:	UEL:
>140°F	N/A	N/A	N/A

**Extinguishing Media:** Water fog, Alcohol Foam, CO<sub>2</sub>, Dry Chemical

**Special Firefighting Procedures:**

Firefighters should wear NIOSH approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

**Unusual Fire And Explosion Hazards:**

None

Continued on Next Page

**Section 5 - Reactivity Data**

**Stability:** Stable      **Conditions To Avoid:** High humidity at temperatures over 80° F.

**Incompatibility (Materials To Avoid):** Water, alcohol, amines and acids will react with the resin and destroy it or cause hardening of the sealant.

**Hazardous Decomposition:** CO, CO<sub>2</sub>, Oxides of Nitrogen and calcium oxide

**Hazardous Polymerization:** Material will polymerize upon contact with water or water vapor.

**Section 6 - Health Hazard Data**

**Routes of Entry:**    Inhalation    N/A      **Skin**    YES/Primary      **Ingestion**    YES/Secondary

**Health Hazards:**

None known

**Carcinogenicity:**    NTP    NO      IARC    NO      OSHA Regulated    NO

**Signs And Symptoms of Exposure:**

**EYES:** May cause moderate irritation. **SKIN:** May cause local irritation, may cause allergic skin rash to sensitized individuals. **INHALATION:** N/A.

**Medical Conditions Generally Aggravated By Exposure:**

None known.

**Emergency And First Aid Procedures:**

**EYES:** Flush with water for 15 minutes. Call Doctor if irritation persists. **SKIN:** Wash with soap and water. **INHALATION:** N/A. **INGESTION:** Induce vomiting. Call physician immediately.

*Continued on Next Page*

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

Transfer to covered container. Let cure to solid rubber. Not a hazardous waste.

**Waste Disposal Method:**

Non-hazardous landfill. Dispose of large spills in compliance with all Federal, State, and local regulations.

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

None

**Other Precautions:**

None

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

None

Ventilation: Local Exhaust Adequate  
Mechanical N/A

Special N/A

Other: N/A

Gloves: Impervious gloves.

Eye Protection: Safety glasses or goggles.

Other Protective Clothing: None required

Work/Hygienic Practices Use good hygiene practices. When possible, wash hands after using.

**Additional Information:**

**F**ACTS  
axed  
AST!

*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.*