

Performance Polymers

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East Lansing, MI 48823-5691

8am to 5pm Phone: (517) 351-5900
24-Hour Health/Environmental Emergency Phone: 1-800-873-1138



Value beyond chemistry

Effective Date: 4/14/00

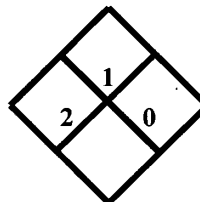
Material Safety Data Sheet

MSDS No: 5823

1. PRODUCT IDENTIFICATION

Trade Name: Hardener HY 557

Chemical Family: Mercaptan



NFPA RATING

Health	2
Flammability	1
Reactivity	0
Protective Equipment	

HMIS RATING

Synonyms:

Ren Rapid Hardener

Intended Use or Product Type: Epoxy Adhesive Hardener.

2. COMPOSITION / INFORMATION ON INGREDIENTS

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	90-72-2	Phenol, 2,4,6-tris[(dimethylamino)methyl]-	NE	NE	NE	NE	TLV 5 ppm	NR	NR	NR
	Common Name:	2,4,6-Tris(Dimethylaminomethyl)Phenol								
	Confidential	Mercaptan Terminated Liquid Polymer	NE	NE	NE	NE	NE	NR	NR	NR

NE = Not Established NR = Not Reviewed * = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: Warning! Causes skin and eye irritation. May cause allergic skin reaction.

Primary Route(s) of Entry: Dermal; heated product may produce inhalable vapors.

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4. FIRST AID MEASURES

Ingestion: If conscious, give 2 - 4 glasses of water to drink. Do not induce vomiting. Call a physician.

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes.

Inhalation: Remove to fresh air. Call a physician.

Eyes: Immediately flush eyes with water for at least 15 minutes. Call a physician.

Overexposure Effects: Overexposure to this material can cause severe skin, eye, and respiratory irritation and, if contact is prolonged, can result in chemical burns.

Medical Conditions Aggravated by Exposure: Skin and eye conditions.

Additional Information: Referral to a physician is recommended if there is any question about the seriousness of any injury.

5. FIRE FIGHTING MEASURES

Flash Point:	> 300°F (> 149 °C)
Flash Point Method Used:	Open Cup
Flammable Limits in Air (Lower - % by volume):	Not established
Flammable Limits in Air (Upper - % by volume):	Not established

Fire Fighting Extinguishing Media: Carbon dioxide, dry chemical, foam, water.

Fire Fighting Equipment: Use self-contained breathing apparatus.

Fire and Explosion Hazards: Decomposition and combustion products may be toxic.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Remove spillage by absorbing in absorbent material.

7. HANDLING AND STORAGE

Precautions: Warning! Causes skin and eye irritation and allergic skin reaction. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

Other Handling Information: Nuisance dust may be generated when sanding or sawing cured material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin Protection: Wear impermeable gloves.

Respiratory Protection: Use NIOSH approved organic vapor cartridge respirator when vapor/mist exposure is likely.

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Eye Protection: Wear splash-proof chemical goggles.**Engineering Controls:** General mechanical and local exhaust in accordance with ACGIH recommendations.**9. PHYSICAL AND CHEMICAL PROPERTIES**

Color:	Amber
Odor:	Mercaptan
Physical State:	Liquid
Solubility in Water:	Slight
Specific Gravity:	1.14 (water = 1)
Boiling Point:	Not Determined
Evaporation Rate:	< 0.01 (Butyl Acetate = 1)
Vapor Density:	Not Determined
pH:	Not Determined

Percent Volatile: Negligible.**10. STABILITY AND REACTIVITY****Conditions to Avoid:** Excessive heat for prolonged periods of time.**Stability:** Stable.**Incompatibility:** Strong oxidizers, acids and bases.**Hazardous Decomposition Products:** Combustion may form toxic materials, such as carbon dioxide, carbon monoxide.**Hazardous Polymerization:** Will not occur.**11. TOXICOLOGICAL INFORMATION****Acute Oral Effects (LD50):** (rat) 1.2 g/kg (component)**Acute Dermal Toxicity (LD50):** (rabbit) 1.28 g/kg (component)**Sensitization:** Possible in susceptible individuals.**Skin Irritation:** Severe skin irritant.**Eye Irritation:** Severe eye irritant.**12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS**

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Waste Disposal Method: Consult qualified local or corporate personnel for method that will comply with local, state and federal health and environmental regulations.

14. TRANSPORT INFORMATION

DOT: Non-Bulk

Proper Shipping Name: Resin compounds, N.O.I.

Department of Transportation: Not regulated as a hazardous material by the U.S. Dept. of Transportation (DOT) 49 CFR 172.101 hazardous materials table.

15. REGULATORY INFORMATION

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain a toxic chemical for routine annual 'Toxic Chemical Release Reporting' under Sec. 313 (40 CFR 372).

TSCA Section 8(b) - Inventory Status: Chemical components listed on TSCA Inventory.

State Regulations:

Pennsylvania Right-to-Know: The following is required composition information:

Generic Name : Mercaptan Terminated Liquid Polymer

CASRN : Confidential

Comment : Not on Pennsylvania Hazardous Substance List.

Chemical Name : Phenol, 2,4,6-tris[(dimethylamino)methyl]-

CASRN : 90-72-2

Comment : Not on Pennsylvania Hazardous Substance List.

16. OTHER INFORMATION

MSDS No: 5823

Approved By: Kenneth L. Payne

Title: E,H&S Manager

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