



1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Name: MS-910 Hardener
Hardener Part of an Epoxy Adhesive

Product Use: Hardener part of a two component adhesive system

MANUFACTURER/DISTRIBUTOR:

Miller-Stephenson Chemical
55 Backus Ave.
Danbury, Conn. 06810 USA
(203) 743-4447

Emergency Phone Number:
(800) 424-9300

Date Revised: October 2013

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: SEVERE SKIN AND EYE IRRITATION OR BURNS. STRONG MERCAPTAN ODOR

RELEVANT ROUTES OF EXPOSURE: Skin, Inhalation, Eyes

INHALATION: Respiratory irritant

SKIN: Direct contact may cause severe skin irritation of burns.

EYE: Severe eye irritant.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting.

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE: None determined.

3. INGREDIENTS

<u>Material (s)</u>	<u>CAS No.</u>	<u>Approximate %</u>
Mercaptan Terminated Polymer	Trade Secret	>90
Phenol 2,4,6 Tris((ddimethylamino) emethyl))	90-72-2	<10
Titanium Dioxide	13463-67-7	1 – 5
Fumed Silica	112945-52-5	1 – 5

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If breathing has stopped or is labored, give assisted respiration. Seek medical advice.

Eye: Flush with water for at least 15 minutes. If eye irritation occurs, get medical attention.

Skin: Wash thoroughly with soap and water. Seek immediate medical attention.

Ingestion: Do not induce vomiting, call physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed. Do not give anything to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash Point: >200°F/93°C

Autoignition Temperature: Not Determined

Flammable Limits in Air, % by Vol.: Not Determined

Extinguishing Media: Ignition will give rise to a class B fire. Use water spray, alcohol foam, carbon dioxide, dry chemical or dry sand.

Special Fire Fighting Instruction: Firefighters should wear butyl rubber boots, gloves and body suit along with a self-contained breathing apparatus.

Hazardous combustion products: May generate toxic or irritating combustion products. Personnel in vicinity and down-wind should be evacuated.

6. ACCIDENTAL RELEASE MEASURES

Remove any source of ignition. Ventilate the space. Prevent product from entering drains or open waters or spread. Use non-reactive absorbent if spill is large and place in appropriate chemical waste container for recovery or disposal. Flush area with water spray.

7. HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Product becomes slippery when wet.

Storage: Store in cool, dry place with adequate ventilation. Emergency showers and eye wash stations should be readily available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Local exhaust ventilation is always recommended when handling.

Respiratory protection: Not required under normal conditions in a well-ventilated workplace when used in small volumes. Use NIOS approved organic vapor respirator in emergency conditions.

Skin protection: Impermeable gloves, long-sleeved clothing.

Eye/face protection: Wear splash proof eye goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N.A.

Freezing point: N.A.

Specific Gravity: 1.45

Vapor Pressure(mmHg): No Data

Vapor Density (Air=1): N.A.

Solubility in H₂O: Slight

Appearance: White paste

Odor: Mercaptan

pH: Alkaline

VOC: N.A.

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Hazardous polymerization: None known.

Hazardous decomposition products: Irritating and toxic fumes at elevated temperatures.

Incompatible materials and conditions to avoid: None known.

11. TOXICOLOGICAL INFORMATION

Ingredients	Carcinogen Status		
	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Mercaptan Polymer Blend	No	No	No
Phenol 2,4,6 tris ((ddimethylamino) emethyl)	No	No	No
Titanium dioxide	No	No	No
Fumed Silica, Treated	No	No	No

Ingredients Literature Referenced Target Organ & Other Health Effects Health Effects/Target Organs

Mercaptan Polymer Blend	Irritant
Phenol 2,4,6 tris ((ddimethylamino) emethyl)	Irritant
Titanium dioxide	Irritant, dust nuisance
Fumed Silica, Treated	Dust nuisance

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS

Recommended method of disposal: Dispose according to local, state, federal and provincial regulations.

14. TRANSPORT INFORMATION

U.S. DOT

Not Regulated

IATA

Not Regulated

IMDG

Not Regulated

15. REGULATORY INFORMATION

UNITED STATES REGULATORY INFORMATION

TSCA: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

CERCLA: N.A.

SARA Title III/313 Reportable Ingredients: None.

California Proposition 65: This product does not contain a chemical known to the State of California to cause cancer and/or birth defects or other reproductive harm.

CANADA REGULATORY INFORMATION

Canadian Inventory Status: Listed.

NFPA Rating:

Health - 2

Flammability - 1

Reactivity - 0

Personal Protective rating to be supplied by user depending on the conditions.

FOR INDUSTRIAL USE ONLY