



1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Name: MS-905 Resin
Resin Part of an Epoxy Adhesive

Product Use: Resin 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

2. HAZARDS IDENTIFICATION

Hazard classification

Skin irritation: Category 2
Eye irritation: Category 2A
Skin sensitization: Category 1
Acute aquatic toxicity: Category 2
Chronic aquatic toxicity: Category 2

Label elements:

Signal word

Warning

Pictograms



Hazard Statements

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Toxic to aquatic life with long lasting effects.

Precautionary Statements

Avoid breathing dust/fume/gas/mist/vapor.
Wash skin thoroughly after handling.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continued rinsing.

If eye irritation persists: Get medical advice/attention.

3. INGREDIENTS

<u>Material (s)</u>	<u>CAS No.</u>	<u>Approximate %</u>
Epoxy resin (number average molecular weight \leq 700), reaction product: bisphenol A- (epichlorhydrin);	25068-38-6	90 - < 95%

4. FIRST AID MEASURES

Inhalation: Remove to fresh air and keep warm and at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. Apply cortisone spray at early stage.

Eye: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a specialist.

Skin: Immediately remove contaminated clothing. Immediately wash skin with plenty of water and soap. Get medical attention if skin irritation occurs.

Oral: DO NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth thoroughly with water. Drink water in little sips (dilution effect). Never give anything to an unconscious person. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed: No information available.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point: $>480^{\circ}\text{F}/249^{\circ}\text{C}$

Method: Pensky Martin closed cup

Autoignition Temperature: Not Determined

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

Fire and Explosion: Cool containers with water spray.

Extinguishing Media: Water spray, extinguishing powder, carbon dioxide and foam.

Unsuitable Extinguishing Media: Full water jet

Hazardous combustion products: Carbon monoxide, Carbon dioxide and Hydrogen chloride.

Special Fire Fighting Instruction: In case of fire and or explosion do not breathe fumes. Wear self-contained breathing apparatus and full protective clothing.

Additional information:

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray to protect personnel and to cool endangered containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Provide adequate ventilation. Do not breathe vapor. Avoid contact with skin, eyes and clothing. Wear personal protection equipment (refer to section 8).

Environmental precautions: Prevent product from entering drains, sewers or open waters.

Clean-up methods: Ensure adequate ventilation. Wear appropriate personal protective equipment. Soak up with inert material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect in a closed container, and treat as prescribed in the section on waste disposal (see section 13). Clean contaminated objects and areas thoroughly observing environmental regulations

7. HANDLING AND STORAGE

Handling: Wear suitable protective clothing. Keep away from sources of ignition – No smoking. Do not breathe mist or vapors. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation.

Storage: Store in original container. Keep in a cool, well ventilated area. Do not store together with: Explosives, oxidizing solids, oxidizing liquids, radioactive substances, or infectious substances. Protect against: Light, UV-radiation/sunlight. Heat, cold, moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Use local exhaust ventilation to maintain worker exposure below established exposure limits.

Protective and hygiene measures: Always have the containers closed tightly after the removal of product. Wash hands after use. Do not eat, drink or smoke while using this product.

Respiratory protection: Respiratory protection may be necessary with insufficient ventilation. Suitable respiratory protection apparatus: Combination filtering device (DIN EN 141) Type A/ P2/3. The filter class must be suitable for the maximum contaminant concentration (gas/vapor/particulates) that may arise when handling product.

Skin protection: Chemical resistant, impermeable gloves, like Nitrile rubber. Check leak, tightness/impermeability prior to use. Protect skin by using skin protective cream.

Eye/face protection: Tightly sealed safety goggles or safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: >500°F/260°C

pH Information: N.A.

Specific Gravity: 1.17

Vapor Pressure (mmHg): N.A.

Solubility in H₂O: Practically insoluble

Appearance: Viscous liquid

Color: Clear

Odor: Mild

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.

Hazardous reactions: No information available.

Hazardous decomposition products: Oxides of carbon. Hydrogen chloride.

Incompatibility: Oxidizing agents, strong acid, strong alkalis, Amines

Conditions to avoid: Protect against: Light, UV-radiation/sunlight. Heat, cold, moisture.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Based on available data, the classification criteria are not met.

Epoxy resin (number average molecular weight <= 700), reaction product: bisphenol A- (epichlorhydrin)

Oral: LD50: >12000 in rats

Dermal: LD50: >12000 in rats

Irritation and corrosivity: Causes skin irritation. Causes serious eye irritation.

Sensitizing effects: May cause an allergic skin reaction. Respiratory or skin sensitization: People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

STOT – single exposure: Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure: Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal: No data available.

12. ECOLOGICAL INFORMATION

Toxicity: No data available.

CAS# 25068-38-6 Epoxy resin (number average molecular weight \leq 700), reaction product: bisphenol A- (epichlorhydrin)

Persistence and degradability: Product is biodegradable.

Bioaccumulative potential: Partition coefficient n-octanol/water: Log Pow: \geq 2.918

Mobility in soil: No data available.

Results of PBT and vPvB assessment: The components in the formulation do not meet the criteria for classification as PBT or vPvB

Further information: Do not allow to enter into surface water or drains.

13. DISPOSAL CONSIDERATIONS

Recommended method of disposal: Dispose according to local, state, federal and provincial regulations. Consult a licensed professional waste disposal expert about proper waste disposal.

14. TRANSPORT INFORMATION

U.S. DOT

Proper Shipping Name: Consumer Commodity

Hazard Class: ORM-D

Identification No. None

Packing Group: None

IATA

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy resin/Bisphenol F Epoxy resin)

Hazard Class: 9

Identification No. UN3082

Packing Group: III

IMDG

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy resin/Bisphenol F Epoxy resin)

Hazard Class: 9

Identification No. UN3082

Packing Group: III

Marine Pollutant: No

15. REGULATORY INFORMATION

United States Regulatory Information

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

SARA 302 Components: None of the chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA Section 311/312: Acute Health Hazard

Massachusetts Right to Know Components: None

Pennsylvania Right to Know Components: Reaction product: bisphenol A- (epichlorhydrin) and epoxy resin (number average molecular weight <= 700) CAS# 25068-38-6

New Jersey Right to Know: Reaction product: bisphenol A- (epichlorhydrin) and epoxy resin (number average molecular weight <= 700) CAS# 25068-38-6

California Proposition 65: None

16. OTHER INFORMATION

FOR INDUSTRIAL USE ONLY

REVISION DATE: AUGUST 2015

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.