

**EMERGENCY PHONE: 1-800-424-9300** 

Not considered to be mutagenic

Move vivtim to fresh air and provide oxygen if

breathing is difficult. Seek medical attention.

1) PRODUCT IDENTIFICATION

ME8456 **Epoxy Paste Adhesive Product: Product Type:** 

Silver loaded single component epoxy adhesive paste **Product Description:** 

**Recommendation On Use: Restriction On Use:** General Use:

Use with electrical components and assemblies Component and substrate attach N/A

2) HAZARD IDENTIFICATION

D2B Toxic material causing other effects. Slight skin irritant. WHMIS Classification:

Skin irritation (Category 2) **GHS Classification:** 

Signal Word: Danger

H315 Skin irritation. H360 May damage fertility or the unborn child. **GHS Label elements:** 

**Precautionary Statement: Physical Appearance: Immediate Concerns:** 

Silver Paste For industrial use only This product may cause a rash on the skin.

**Primary Route Entry: Medical Conditions Aggravated:** 

Skin Skin contact may aggravate an existing dermatitus (skin condition).

**Potential Health Effects:** 

Eves: Skin: Ingestion: Inhalation:

Can cause eye burns and damage Adverse symptoms may include Based on product testing, this Can cause irritation in throat and product is considered to have a low lungs

irritation, burns and redness order of acute oral toxicity

Signs and Symptoms of Overexposure:

Inhalation: Ingestion:

Causes burning of mouth, throat and Irritation, watering and redness can Skin sensitization may be evidenced May cause breathing to become result in burns which can lead to by rashes, especially hives stomach with abdominal and chest difficult

blindness pain ,nausea, vomiting

**Acute Toxicity:** Carcinogenicity: Chronic Exposure: Mutagenicity:

Can cause vomiting and irritation of Repeated skin contact may cause a Not classifiable as a carcinogen

damage

the throat and stomach persistent irritation or dermatitis. Repeated inhalation may cause lung

Teratogenic Effects: **Target Organ Stament:** Sensitization: **Reproductive Effects:** 

Not Determined

May damage fertility or the unborn Not Determined. May cause sensitization child.

3) COMPOSITION / INFORMATION ON INGREDIENTS

MATERIAL: CAS NO % Silver 7440-22-4 65-85 **Epoxy Admixture** 25068-38-6 30-13 Solvent 872-50-4 05-02

NOTE: \* For powders only; in adhesive product, powders are bound in adhesive and values are not applicable.

4) FIRST AID MEASURES

First Aid Eye: First Aid Skin: First Aid Inhale:

Immediately flush eves with evewash solution or Flush skin with water followed by washing with clean water holding the eyelids apart for 15 minutes. soap and water. If irritation occurs, get medical

If symptoms develop, seek medical attention. attention.

First Aid Ingest: **Physician Note: Acute Symptoms:** If swallowed, do not induce vomiting. Keep person No specific treatment. Treat symptomatically. Seek medical treatment

resting and seek medical attention.

Seek medical treatment **Delayed Symptoms:** 

5) FIRE FIGHTING MEASURES

Flammable Class: Not Determined. Flame Propagation or Burning Rate of Solids:

Toxic fumes may be evolved when this material is involved in a fire. **General Hazard:** 

Extinguish Media: Sodium Bicarbonate and water

Carbon monoxide, oxides of nitogen, formaldehyde, cyanide **Hazardous Combustion Products:** 

Fire Fighting Procedures: **Unsuitable Firefighting Equipment:** 

Use self-contained breathing apparatus; decomposition and combustion Not determined products may be toxic. In case of fire, hazardous bromine fumes may be

**SDS ME8456** Page 1 evolved.

**Suitable Firefighting Equipment:** Self-contained breathing apparatus should be available for fire fighters.

Sensitive to Static Discharge Sensitive to Impact:

6) ACCIDENTAL RELEASE MEASURES

Cover with sand and place in waste containers for disposal Small Spill: Contain spill and place in waste containers for proper disposal Large Spill: Contain spill and use correct equipment to remove from water Water Spill:

Contain spill and place in waste containers for proper disposal **General Procedures: Release Notes:** 

Use the necessary tools and protective equipment Not Determined

7) HANDLING AND STORAGE

Handling: Storage:

Minimum feasible handling temperatures should be maintained. Eye wash and safety shower should be available nearby when this product is handled

or used

Land Spill:

8) EXPOSURE CONTROLS / PERSONAL PROTECTION

Use protective glasses or goggles. PPE Eye and Face:

Latex Gloves and Lab Coat. PPE Skin:

**Engineering Controls: OSHA PEL ACGIH TLV EINECS** 

-40°C

Not normally required. 0.01 mg/m<sup>3</sup> \* 0.1 mg/m3 \* **PPE Respiratory:** 

Use well ventilated hood when heating materials None Established None Established **PPE Ventilation:** Personal protective equipment should be worn based on the None Established None Established **PPE Other:** 

task being performed

Use well ventilated hood when heating Work Hygienic Practices:

materials

9) PHYSICAL AND CHEMICAL PROPERTIES

Not Determined Flashpoint and Method: **Lower Flammable Limits:** 

Not Determined **Physical State: Upper Flammable Limits:** Not Determined Slight chemical odor **Autoignition Temperature:** Odor:

Silver Color: **Odor Threshold:** Not Applicable Not Determined pH: Vapor Pressure:

Vapor Density: Not Applicable

**Boiling Point:** Not Applicable **Freezing Point:** N/A

Not Dermined None **Melting Point: Solubility in Water:** 

**Evaporation Rate:** N/A Density: 3.5 ± 10% g/cc (cured)  $130,000 \pm 20\%$  cp 3.5 Specific Gravity: Viscosity:

Molecular Weight: Not Determined. Coeff. Oil/Water: Not Determined.

Appearance: Silver paste

10) STABILITY AND REACTIVITY

May occur **Hazardous Polymerization:** 

Chemical Stability: May occur **Conditions to Avoid:** Excessive heat. Do not store near heat or

Polymerization: flame

**Hazardous Decomposition Products:** 

Thermal degradation could produce carbon monoxide, carbon dioxide and unindentified organic compounds.

Stable under normal handling and storage condition

Incompatibility Materials:

Acids, metals, oxidizing & combustible materials.

11) TOXICOLOGICAL INFORMATION

Acute:

Stable Not Determined Oral LD50: Not Determined Not Determined Dermal LD50: **Inhalation LC50:** Eyes:

**Eve Effects:** May cause burning and watery eyes

Not Determined Skin Effects:

Carcinogenicity:

IARC: No ingredients listed as human carcinogens. OSHA: Consistent with (29 CFR 1910 . 1200). NTP: No ingredients listed as human

**SDS ME8456** Page 2 carcinogens.

Sensitization: May cause sensitization by skin contact

Reproductive Effects: Not Determined

**TARGET ORGANS:** 

Eyes: Not determined Skin: Not determined Gastrointestinal: Not Determined Respiratory System: Not Determined

Teratogenic Effects: May cause sensitization by skin contact

Mutagenicity:

12) ECOLOGICAL INFORMATION

**Ecotoxicity:** Do not discharge into sewer or waterways

Mobility in Soil: Unknown

Persistence and Degradability: Advoid runoff into storm sewers and ditches that lead to waterways. Water runoff can cause environmental

damage.

Bioaccumulative Potential: Unknown

13) DISPOSAL CONSIDERATIONS

**Disposal Method:** Cure at 150°C and dispose of according to rules and regulations

For Large Spills: Contain spill and use proper container and protective equipment to clean up spill

Product Disposal: Disposal of this product should at all times comply with the requirements of environmental protection and waste disposal legislation

and any regional local authority requirements

**Empty Container:** Disposal of empty container should at all times comply with the requirements of environmental protection and waste disposal

legislation and any regional local authority requirements

14) TRANSPORT INFORMATION

Road and Rail (ADR/RID)

Transport Information:Kemler Number:Hazard Class:Not RegulatedNot RegulatedNot Regulated

Air (CIAO/IATA)

Shipping Name: Not Regulated

Technical Name: Not Regulated

UN Number: N/A Primary Hazard Class: N/A

Packing Group: N.A. Label: N/A

Vessel (IMO/IMDG)

Shipping Name: Not Regulated
Technical Name: Not Regulated

UN Shipping Name: N/A Primary Hazard Class: N/A

Packing Group: N.A. Label: N/A.

15) REGULATORY INFORMATION

TCSA: This product, or its components, are liste on or are exempt from the Skin: Not determined

Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

Gastrointestinal: Not Determined Respiratory System: Not Determined

**16) OTHER INFORMATION** 

HMIS Health Rating (1-4): 1 HMIS Flammability Rating (1-4): 2
HMIS Physical Hazard Rating (1-4): 1 Long Term Health Effects (Y/N): N

Note: All ingredients in this product are on the Toxic Substances Control Act (TSCA) inventory.

No ingredient in this product is known to be carcinogenic.

Ingredients listed on the New Jersey "RIGHT TO KNOW" Substance list: Silver CAS#7440-22-4 Substance#1669 and 1-Methyl-2-pyrrolidinone

CAS# 872-50-4 Substance# 3716

This product is compliant to RoHS & REACH. This product contains 1-Methyl-2-pyrrolidinone CAS# 872-50-4 - a Substance of Very High Concern.

Section X: HMIS Rating: Health-2 Flammability-2, Reactivity-,0, Protective Equipment-D

**Version:** F - 4/14/2025

SDS ME8456 Page 3