

# MATERIAL SAFETY DATA SHEET

MANUFACTURED FOR: Denco Industrial Products  
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## SECTION I - GENERAL INFORMATION

IDENTITY - DFS-MET    Denco Fix-Stix - Metal Repair

## SECTION II - COMPOSITION

Contains 1% or greater of the following materials  
 Percentage figures may be approximate

TRADE NAME, CHEMICAL NAME	OSHA PEL	ACGIH TLV	OTHER LIMITS	% (OPT.)
Bisphenol A/Epichlorohydrin Based Epoxy Polymer (CAS # 25068-38-6)	NE		NE	
Mercaptan Polymer (CAS # TRADE SECRET)	NE		NE	
Magnesium Silicate Hydrate (CAS # 114807-96-6)	2 mg/m <sup>3</sup> *		2 mg/m <sup>3</sup> *	
Sodium Calcium Magnesium Silicate (CAS # 65977-17-3)	.1 mg/m <sup>3</sup> *		.1 mg/m <sup>3</sup> *	
Aluminum (CAS # 7429-90-5)	15 mg/m <sup>3</sup> *		15 mg/m <sup>3</sup> *	
4-(dimethylaminomethyl) Phenol (CAS # 90-72-2)	NE		NE	
Steel Powders (CAS # 65997-19-5)	NE		NE	
* as respirable dust				

## SECTION III - PHYSICAL DATA

Boiling Point:	Not established
Specific Gravity:	1.92
Vapor Pressure (mm/Hg):	NIL
Vapor Density (Air = 1):	Not established
Melting Point:	Not applicable
Evaporation Rate:	Not applicable
Solubility in Water:	Insoluble
Appearance & Odor:	Coextruded black/grey paste, mercaptan odor

## SECTION IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (PMCC):	None
Flammable Limits:	L.E.L.: NE    U.E.L.: NE
Extinguishing Media:	Extinguish fires with CO <sub>2</sub> , foam, dry chemicals.
Special Fire Fighting Procedures:	Do not enter fire space without proper protective equipment, including a NIOSH approved self-contained breathing apparatus.
Unusual Fire & Explosion Hazards:	None known

**SECTION V - HEALTH HAZARD DATA**

Primary route(s) of entry: Eyes, skin contact

Health hazard/effects of over exposure: INHALATION: Heated vapors may cause respiratory irritation. EYES: Moderately irritating. SKIN: Mildly irritating. May cause allergic reaction evidenced by rashes. INGESTION: No specific information.

Chronic Effects of Overexposure: Prolonged contact with the skin may result in skin irritation and sensitization.

Carcinogenicity: This material is not considered to be carcinogenic by NTP, IARC, or OSHA.

Mutagenicity (Ames Test): Both positive and negative results for CAS # 25068-38-6.

Medical conditions aggravated by exposure: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product. Pre-existing skin or lung allergies may increase the chance of developing increased allergy symptoms.

Emergency and First Aid Procedures: INHALATION: In case of exposure to a high concentration of vapor or mist, remove person to fresh air. Get medical attention if effects persist. Administer oxygen if necessary. EYES: Flush with plenty of water for at least 15 minutes and seek immediate medical attention. SKIN: Remove contaminated clothing and wash contact area with soap and water. Wash clothing before reuse and discard contaminated leather articles. Get medical attention if swelling or reddening occurs. INGESTION: If appreciable quantities are swallowed, seek medical attention. Do not induce vomiting. Dilute by giving water or milk to drink if victim is conscious.

**SECTION VI - REACTIVITY DATA**

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat or flames

INCOMPATIBILITY (Materials to avoid): Strong oxidizing agents and mineral acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Fumes produced when heated to decomposition may include: Carbon Monoxide, Carbon Dioxide, Aldehydes, Acids, Oxides of Nitrogen and Sulfur.

HAZARDOUS POLYMERIZATION: Will not occur.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be taken in case material is released or spilled: Dike spill. Absorb with inert material and collect for disposal. Flush area with water. Prevent washings from entering waterways.

Waste disposal methods: Incinerate or use biological treatment in accordance with local, state, and federal regulations.

Dispose of as a hazardous waste according to local, state, and federal regulations.

RCRA Hazardous Waste NO.: N.A.

CERCLA Reportable Quantity: If this product becomes a waste, it would not be a hazardous waste by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local regulations.

**SECTION VIII - CONTROL MEASURES**

RESPIRATORY PROTECTION: Wear a properly fitted NIOSH/MSHA approved respirator whenever exposure to vapor/mist is likely unless levels are below applicable limits.

VENTILATION: Local exhaust is recommended when appropriate to control employee exposure if heated above 100° F. Mechanical is not recommended as the sole means of controlling employee exposure.

PROTECTIVE GLOVES: For operations where prolonged contact can occur, wear impervious gloves (neoprene, nitrile).

EYE PROTECTION: Chemical splash goggles or safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: For operations where contact can occur, coveralls, apron, and rubber foot coverings are recommended. A safety shower and eye wash should be available.

WORK/HYGIENIC PRACTICES: Wash hands with soap and water after use and/or before breaks, lunch, and at the end of work periods. Remove contaminated clothing and launder before reuse. Discard contaminated shoes.

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