

MATERIAL SAFETY DATA SHEET

SECTION I – MATERIAL IDENTIFICATION

MATERIAL NAME: Two-Part Epoxy System Adhesive Part A

MANUFACTURER: Erie Metal Specialties, Inc.
13311 Main Road
Akron, NY 14001

SUPPLIER: Erie Metal Specialties, Inc.
13311 Main Road
Akron, NY 14001

EMERGENCY PHONE:
CHEM-TREC: (800) 424-9300

(716) 542-3991

SECTION II – HAZARDOUS INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>WT%</u>	<u>Exposure Limits</u>	
			<u>OSHA (PEL/TWA)</u>	<u>ACVGIH(TLV/TWA)</u>
Epoxy Resins	25085-99-8	60 to 100	n/a	n/a
Nepheline Syenite	37244-96-5	10 to 30	5	10
Aliphatic Glycidyl Ether	17557-23-2	10 to 30	n/a	n/a
Fumed Amorphous Silica	7631-86-9	3 to 7	n/a	n/a
Glycerol	56-81-5	0.5 to 1.5	10	n/a
Ferric Oxide	1317-61-9	0.1 to 1.0	10	n/a

SECTION III – HAZARDS IDENTIFICATION

Potential Health Hazards – Acute

Eye: Will result in eye irritation
 Skin: May cause dermatitis
 Inhalation: Will result in respiratory tract irritation
 Ingestion: May cause abdominal pain, vomiting, and diarrhea

Potential Health Effects – Chronic

Carcinogenicity:	NO	N/A	Teratogenicity:	N/A
Sensitization:	Yes; skin and respiratory		Reproductive Toxicity:	N/A
Mutagenicity:	N/A		Synergistic Products:	None Known

SECTION IV – FIRST AID MEASURES

Eye: Immediately flush with plenty of clean water for at least 15 minutes and get immediate medical attention.
 Skin: Remove contaminated clothing. Clean affected area(s) thoroughly with soap and water.
 Inhalant: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
 Ingestion: Induce vomiting if large amounts are ingested. Transport to a medical facility

SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST

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SECTION V – FIRE FIGHTING MEASURES:

Flammability: No
 Flash Point (set-a-flash closed cup): 177 deg. C
 Extinguishing Media: Extinguish with water spray, water fog, CO2 or foam.
 Hazard Combustion Products: Carbon monoxide, carbon dioxide, phenolics
 Fire Fighting Instructions: Closed containers may rupture violently when exposed to heat. Irritating vapors may be released during a spill. Combustion by-products may be hazardous. Use water only to cool containers to disperse vapors. Do not incinerate closed containers. Do not enter confined fire space without full bunker gear including a positive pressure, NIOSH approved, self contained breathing apparatus.

SECTION VI – REACTIVITY DATA:

STABILITY: Stable
DECOMPOSITION PRODUCTS: Not available
HAZARDOUS POLYMERIZATION: May occur with greater than 1 pound of amines
CONDITIONS TO AVOID: N/A

SECTION VII – TOXICOLOGICAL INFORMATION:

Route of Entry: Skin contact, eye contact, skin absorption, inhalation, ingestion

Components:	Oral LD 50 (Rat)	Inhalation LC50 (Rat)
Epoxy Resins	5000 mg/kg	oral
Nepheline Syenite	n/a	n/a
Aliphatic Glycidyl Ether	4500 mg/kg	oral
Fumed Amorphous Silica	n/a	n/a
Glycerol	4250 mg/kg	oral
Ferric Oxide	n/a	n/a

SECTION VIII– HANDLING & STORAGE PRECAUTIONS:

HANDLING: Avoid inhalation, skin and eye contact. Practice good personal hygiene. Wash repeatedly with soap and water during the work day.
VENTILATION: Provide general dilution or local exhaust in volume and pattern to keep TLV of hazardous ingredients below acceptable limits.
PERSONAL PROTECTION: Wear clean, long-sleeved, body-covering clothing. Use impervious gloves, chemical splash goggles and full face shield. When respiratory protection is required, use an approved air purifying respirator.
STORAGE: Store containers tightly closed with adequate ventilation in a cool dry area.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: black liquid
ODOR: Epoxy
BOILING POINT: 146 deg. C
VAPOR PRESSURE (m/HG): n/a
VAPOR DENSITY: (Air = 1): n/a
SOLUBILITY IN WATER: slight
SPECIFIC GRAVITY (H2O=1): 0.13
EVAPORATION RATE: (n-Butyl Acetate = 1): n/a
% VOLITILES BY VOLUME: 0.00

MATERIAL SAFETY DATA SHEET**SECTION X – ACCIDENTAL RELEASE MEASURES:**

SPILL: Remove all sources of ignition (flames, sparks, etc.) Provide adequate ventilation. Avoid prolonged breathing of vapors. Remove to a container or absorb with clay, diatomaceous earth or other suitable inert absorbent.

DISPOSAL: Dispose of in accordance with all federal, state and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal.

SECTION XI – PROPER D.O.T. SHIPPING INFORMATION:

Not regulated
Two-Part Epoxy System Adhesive Part A

SECTION XII – U.S. REGULATORY INFORMATION:

OSHA: This material is hazardous by definition of Hazardous Communications Standard (29 DFR 1910.1200)
SARA Title III:
Section 311/312 hazard categories acute health, delayed health, fire.

SECTION XIII – U.S. REGULATORY INFORMATION:

This MSDS complies with 20 CRF 1910.1200 (THE HAZARD COMMUNICATION STANDARD). Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Erie Metal Specialties, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Erie Metal Specialties, Inc. be responsible for damages of any nature whatsoever resulting from the use of, misuse or reliance upon information. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to information or the product to which information refers. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure its activities comply with Federal, State or Provincial, and local laws and regulations.

ISSUE DATE:.....02/23/09

SUPERCEDES:.....01/05/09

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