

MATERIAL SAFETY DATA SHEET

SECTION I – MATERIAL IDENTIFICATION

MATERIAL NAME: Two-Part Epoxy Adhesive Part B

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

SUPPLIER: Erie Metal Specialties, Inc.
13311 Main Road
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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>
Polyamide Resin	68410-23-1	60 to 100	n/a	n/a
Nepheline Syenite	37244-96-5	15 to 40	5	10
N-Aminoethylpiperazine	140-31-8	10 to 30	n/a	n/a
Bisphenol "A"	80-05-7	10 to 30	n/a	n/a
Fumes Silica	67762-90-7	3 to 7	n/a	n/a
Benzyl dimethylamine	103833	3 to 7	n/a	n/a
Amino Silane	1760-2403	1 to 5	n/a	n/a
Glycerol	56-81-5	1 to 5	10	n/a
Organophillic Clay	71011-26-2	1 to 5	15	n/a
Propylene Carbonate	108-32-7	0.1 to 1.0	n/a	n/a

SECTION III – HAZARDS IDENTIFICATION

Potential Health Hazards – Acute

Eye: Will result in severe eye irritation and burns.
 Skin: Will result in severe skin irritation and burns.
 Inhalation: May result in severe respiratory tract irritation and burns.
 Ingestion: Harmful if swallowed. May lead to gastrointestinal irritation and ulceration.

Potential Health Effects – Chronic

N/A

Carcinogenicity:	NO	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: DO NOT INDUCE VOMITING. Administer large amounts of milk or water if available. Transport to a medical facility

SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST

MATERIAL SAFETY DATA SHEET**SECTION V – FIRE FIGHTING MEASURES:**

Flammability: No
Flash Point (set-a-flash closed cup): 110
Extinguishing Media: Extinguish with water fog, CO₂, dry chemical or foam.
Hazard Combustion Products: Carbon monoxide, carbon dioxide, oxides of nitrogen
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: Will Not Occur
CONDITIONS TO AVOID: n/a

SECTION VII – TOXICOLOGICAL INFORMATION:

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

Components:	Oral LD 50 (Rat)	Inhalation LC50 (Rat)
Polyamide Resin	16000 mg/kg	n/a
Nepheline Syenite	n/a	n/a
N-Aminoethylpeperazine	2150 mg/kg	n/a
Bisphenol "A"	4100 mg/kg	n/a
Fumes Silica	5 mg/kg	n/a
Benzyl dimethylamine	n/a	n/a
Amino Saline	n/a	n/a
Glycerol	4250 mg/kg	n/a
Organophillic Clay	n/a	n/a
Propylene Carbonate	29000	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 components 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: Light Straw
ODOR: Ammoniacal
BOILING POINT: n/a
VAPOR PRESSURE (m/HG): n/a
VAPOR DENSITY: (Air = 1): n/a
SOLUBILITY IN WATER: slight
SPECIFIC GRAVITY (H₂O=1): 0.12
EVAPORATION RATE: (n-Butyl Acetate = 1): Not applicable
% 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:

Polyamines, liquid, corrosive, N.O.S. (Diethylenetriamine) Class 8, UN 2735, PG III

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 (THWE 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.

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