

Material Safety Data Sheet

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

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MANUFACTURER:

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Issued:07/12/03

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TRADE NAME:

BondPak 2262 Adhesive Part A and Part B

Chemical Name: Epoxy Resin and Modified Polyamide Hardener
Chemical Family: Epoxy; Amine
CAS Number: Mixture

SECTION 2. HAZARDOUS INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	ACGIH	TLV
Part A			
Aluminum Powder (dispersed in resin)	45-55	10 Mg/m ³	as dust
EPOXY RESIN	50-60		
Part B			
Amine with not established TLV	<10	None	None
Hazards: Corrosive, Irritant			

The components of this product are in compliance with the chemical with the chemical notification requirements of TSCA.

SECTION 3. PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: >225°F
VAPOR DENSITY: >1 (Air = 1)
VAPOR PRESSURE, mm/Hg: Nil
EVAPORATION RATE: <1 (BuAc=1)
SOLUBILITY IN WATER: Nil
SPECIFIC GRAVITY: 1.29 Water=1
PERCENT VOLATILE: 0% by vol

APPEARANCE & ODOR:

Part A: Grey Paste; Part B Amber Paste: ammoniacal odor

SECTION 4. FIRE AND EXPLOSION DATA

Flash Point > 200°F (PPMCC)
Flammable Limits - LEL N/A
Flammable Limits - UEL N/A

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EXTINGUISHING MEDIA:

Water spray, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Avoid breathing smoke. In confined areas, full fire fighting equipment including a NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Part A: Violent exothermic reaction may occur. Keep away from all sources of heat and direct sunlight. Part B: None

SECTION 5. HEALTH HAZARD INFORMATION

Threshold Limit Value (TLV): Not established

ANSI Hazard Class: Part A: 4 Part B: 4

Signs and Symptoms of Exposure

Type of Exposure	Part	Signs and Symptoms
Acute Overexposure	A	Moderately irritation to skin and eyes. Possible skin sensitizer
	B	Vapors are irritating to the eyes
Chronic Overexposure	A	Per-existing skin and eye disorder may be aggravated.
	B	Unknown
Routes of Exposure		
Inhalation	A	Not likely to produce adverse effects due to low volatility
	B	Vapors are irritating to skin and eyes
Ingestion	A	Low order of toxicity
	B	Moderate toxicity; may cause burns of mouth and throat.
Skin Absorption	A	Not likely to be adsorbed though the skin in toxic amounts
	B	Repeated or prolonged exposure may be harmful
Skin Contact	A	Moderately irritation; may cause skin sensitization
	B	May cause chemical burns and /or develop allergic skin reaction
Eye Contact	A	Moderately irritating
	B	Moderately irritating
Carcinogenicity		
NTP	A	No
	B	No
IARC	A	No
	B	No
OSHA	A	No
	B	No

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SECTION 6. EMERGENCY AND FIRST AID PROCUEDURES

EYE CONTACT:

Immediately flush eyes with large amounts of water for 15 minutes while holding eyelids open. Get immediate medical attention.

SKIN CONTACT:

Immediately wash skin with soap and large amounts of water. Remove contaminated clothing. If signs/symptoms occur, call a physician. Wash contaminated clothing before reuse and dispose of contaminated shoes.

INHALATION:

Remove person to fresh air. Administer oxygen if necessary. If signs/symptoms continue, call a physician.

IF SWALLOWED:

Do not induce vomiting. Give large doses of water. Get medical attention.

SECTION 7. REACTIVITY DATA

Stability: Stable: Unstable:

Conditions to Avoid: Elevated temperature

Incompatibility (materials to avoid): Strong oxidizing agents, strong acids and bases

Hazardous Decompositions Products: Oxides of carbon and nitrogen

Hazardous Polymerization: May Occur: Will not Occur:

Conditions to Avoid: Large mixtures in bulk. Curing process is exothermic.

SECTION 8. SPILL AND LEAK PROCEDURES

Steps to be taken if Material is Spilled or released:

Avoid contact with liquid and vapors. Wipe with a cloth or collect on absorbent material. For large spills, dike and contain. Pump or shovel into salvage containers.

Waste Disposal Method:

Cure, then bury or incinerate. Remove salvage containers to a waste disposal site operating in compliance to federal, state and local regulators.

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SECTION 9. SPECIAL PROTECTION INFORMATION

For excessive vapor or to maintain below the TLV limit, NIOSH approved respirator in compliance to 29 CFR 1920.134.

Ventilation: Local Exhaust: Yes
Mechanical: Yes
Other: As required

Protective Gloves: Impervious rubber

Eye Protection: Splash-proof chemical goggles

Other Protective Equipment: For prolonged exposure, impervious clothing and shoes to minimum personal contact. Eye wash station: safety shower.

SECTION 10 SARA TITLE III INFORMATION

Section 302/304: Extremely Hazardous Substance

<u>Component</u>	<u>CAS#</u>	<u>%</u>	<u>RQ(lbs)</u>	<u>TPQ (lbs)</u>
NONE				

CERCLA Section 102(a): Hazardous Substance

<u>Component</u>	<u>CAS#</u>	<u>%</u>	<u>RQ(lbs)</u>
NONE			

Section 313: Toxic Chemicals

<u>Component</u>	<u>CAS#</u>	<u>%</u>
Aluminum Powder	7429-90-5	45-55

SECTION 11. SPECIAL PRECAUTIONS

FOR INDUSTRIAL USE ONLY!

Warning Statements: Part A: May cause skin irritation; avoid contact with eyes.
Part B: Corrosive. May cause severe eye burns.

Precaution to be taken in Handling and Storage:

Part A: Store at 40F or below in tightly sealed containers. Keep away from all sources of heat and direct sunlight. Avoid contact with skin and eyes. Use with adequate ventilation.

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Part B: Store in a cool, dry area in tightly closed containers. Avoid contact with skin and eyes. Use with adequate ventilation. Use good hygiene practices.

Other Precautions:

RCRA Status: Not considered to be a hazardous waste
CERCLA: Not listed
DOT Class: **Part A:** Not regulated
Part B: Corrosive Liquid, basic, Organic, N.O.S., UN 3267

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