

Material Safety Data Sheet

Emergency Phone: (316) 945-9328 24-Hour CHEMTREC (800) 424-9300 CHEMTREC, D.C. Area 800-483-7616

I. Chemical Product And Company Data

PRODUCT: EPOXY BONDING ADHESIVE - EBA32 PART B
CHEMICALFAMILY: Amine Mixture
REVISION DATE: APRIL 2004
MANUFACTURER: Balco, Inc.
 2626 S. Sheridan, Wichita, KS 67217

Health	2
Flammability	1
Reactivity	0
Personal Protection	H

II. Composition / Information On Ingredients

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Where a proprietary ingredient is shown, the identity may be made available as provided in this standard. All components of this product are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

HAZARDOUS INGREDIENTS	CAS NO	EXPOSURE LIMITS			CONTENT
		TLV	STEL	PEL	
Tetra Ethylene Pentamine	112-57-2	N/E	N/E	N/E	<5%
Tall Oil Fatty Acid	68953-36-6	N/E	N/E	N/E	

California Proposition 65 ingredients

None

Section 313 Supplier Notification

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 (40 CFR 372)

None

III. Hazards Identification

HMIS Hazard Rating No. 2

PRIMARY ROUTE OF ENTRY: Eye and skin contact, breathing and ingestion.

Symptoms of Exposure

Skin Contact: Corrosive to the skin. May cause skin sensitization.
Eyes: Product may cause severe irritation to the eyes and may cause severe damage including blindness.
Inhalation: Vapors or mist may be corrosive to the upper respiratory tract. Long term exposure may result in lung damage which will be apparent by shortness of breath and chronic cough.
Ingestion: Not expected to be a relevant route of exposure. It may, however, cause permanent damage to the throat, mouth and stomach.

IV. First Aid Measures

Inhalation Remove victim from exposure. If difficulty with breathing, administer oxygen and seek medical assistance

Eyes Flush eyes with cold water for a minimum of 15 minutes, lifting lower and upper eye lids throughout. Seek immediate medical attention.

Skin Immediately remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

Ingestion Do not induce vomiting, get immediate medical attention, if vomiting occurs spontaneously keep head below hips to prevent aspiration of liquids into lungs. Do not give anything by mouth to an unconscious person.

V. Fire Fighting Methods

HMIS Hazard Rating No. 1

Flash Point: (259 ° F) Method: Pensky Martin C.C.

General Hazard: None

Auto-Ignition Temp.: Not available

Limits of Flammability LEL: Not Available UEL: Not Available

Extinguishing Media: For small fires, use foam, CO₂ or dry chemical. For large fires, use water spray or fog.

Special Fire & Unusual Hazards: Move containers from area if it can be done without risk. Cool fire-exposed containers with water from the side. As in any fire, wear NIOSH/MSHA approved, pressure demand self-contained breathing apparatus and full protective gear.

VI. Accidental Release Measures

Action To Take For Spills/ Leaks: Avoid contact with skin or eyes. Ventilate area, eliminate all sources of ignition. Wear appropriate protective gear, contain leak or spill, salvage, clean up residue with absorbent material.

Waste Disposal Method: Handle disposal of waste material in manner which complies with local, state, provincial and federal regulation. Landfill if solidified, or incineration at agency approved waste-disposal facilities.

VII. Handling And Storage

Average Shelf Life: Refer to Product Data Sheet

Special Instructions: Store away from open flames and high temperature >150°F.

VIII. Exposure Controls / Personal Protection

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of heavy vapors.

Personal Protection Equipment: Do NOT wear contact lenses when working with this material. Use chemical goggles/safety glasses with side shields and impervious gloves. Wear clothing with long sleeves and pants. In operations where mists can be generated or the exposure limits for crystalline

silica can be exceeded, wear a NIOSH/MSHA approved dust/fume respirator selected by a technically qualified person for the specific work conditions. Wear respirator protection whenever airborne concentrations exceed TLV ceilings or TWA, use NIOSH approved respirators for listed hazard.

Confined spaces, room, or tanks are areas where concern for TLV's is especially important.

Reference OSHA regulation CFR 29 1910.134 for recommended respiratory protection.

IX. Physical And Chemical Properties

Boiling Point (°F):	432	Water/Oil Distribution Coefficient:	N/A
Percent Volatile:	0.1%	Solubility in Water:	Negligible
Freezing Point (°F):	N/A	Specific Gravity @ 20 °C:	1.78
Vapor Pressure @ 20 °C:	N/A	pH:	N/A
Vapor Density:	>air	Evaporation Rate:	N/A
Odor Threshold:	N/A	Odor:	Ammonical
Appearance:	Black Paste		
N/A = Not Available	N/D=NOT Determined	Ca. = Approximate	

X. Stability And Reactivity

HMIS Hazard Rating No. 0

Stability:

Stable

Incompatibility:

Strong acids, oxidizing agents, bases, amines and mercaptans.

Hazardous Decomposition Products:

Carbon dioxide and oxides of nitrogen. Decomposition and Combustion products may be toxic.

Conditions To Avoid:

Avoid heat, flame and contact with strong oxidizing agents.

XI. Toxicity Information

HMIS Hazard Rating No. 2

PRIMARY ROUTE OF ENTRY: Inhalation, dermal and eyes.

Effects Of Overexposure

Inhalation:

Vapors may be corrosive to the upper respiratory tract.

Eyes:

May cause severe damage including blindness.

Skin Contact:

Irritating to the skin. In some individuals it may cause sensitization.

Ingestion:

May cause permanent damage to the mouth, throat and stomach.

Chronic:

This product does not contain chemicals considered to be carcinogenic by OSHA Hazardous Communications Act 1910.1200.

XII. Ecological Information

Marine Pollutant: NL

(NL = Not Listed; P = Moderate; PP = Severe; ND - Not Determined)

