



IDENTIFICATION

Chemical Name:	Epoxy Hardener High Chemical Resistance	Packing Group:	III
UN No.	2735	Hazchem Code:	2X
Hazard Class:	8	Proper Shipping Name:	Polyamide Mixture
Dangerous Goods:	Not Applicable	Primary Supplier:	ALL PURPOSE COATINGS PTY LTD
Product Use:	Part B for Epoxy Coating Kit	Poisons Schedule:	5

PHYSICAL DATA

Appearance & Odour:	Straw Colour, Ammoniacal	pH:	Boiling Point/range: 205 Deg.C
Freezing Point:	Not Applicable	Vapour Pressure:	< 10.34 mmHg @ 21 Deg.C
Density:	64.301 lb/ft3 (1.03 g/cm3) @ (21 Deg.C)	Specific Gravity:	1.16 – 1.22 (H2O = 1)
Relative Density:	1.03 (Water = 1)	Auto-ignition:	Not Applicable
Solubility (Water):	< 0.1 g/l	Flash Point	96 Deg.C

INGREDIENTS

Components	CAS Number	Proportion	Hazard Codes
Isophorone Diamine		40-60%	
Amine-Resin Adduct		10-20%	
Non Hazardous Additives		0-30%	

HEALTH HAZARD INFORMATION

Acute Effects:

Eye: Corneal oedema may give rise to a perception of "blue haze" or "fog" around lights. Exposed individuals may see rings around bright lights. This effect is temporary and has no known residual effect. Product vapour can cause glauropsia (corneal oedema) when absorbed into the tissue of the eye from the atmosphere. Causes eye burns. May cause blindness. Severe eye irritation.

Skin: Causes skin burns. If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties.

Inhalation: Harmful if inhaled and may cause delayed lung injury. Can cause severe eye, skin and respiratory tract burns. Risk of serious damage to the lungs (by inhalation). May cause nose, throat, and lung irritation. Inhalation of aerosol may cause irritation to the upper respiratory tract. May cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure. Inhalation of vapours and/or aerosols in high concentration may cause irritation of respiratory system.

Ingestion: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

Chronic Health Hazard: This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. May cause allergic skin reaction.

First Aid

General advice: Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

Ingestion: Do not induce vomiting without medical advice. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

Eye: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.

Skin: Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing. Take off contaminated clothing and shoes immediately.

Inhaled: If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.

Advice to Doctors: No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

ACCIDENTAL RELEASE MEASURES

Personal precautions Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

Environmental precautions: Construct a dike to prevent spreading.

Methods for cleaning up: Contact Air Products' Emergency Response Centre for advice. Approach suspected leak areas with caution. Place in appropriate chemical waste container.

Additional advice: Open enclosed spaces to outside atmosphere. If possible, stop flow of product.

HANDLING AND STORAGE

Handling: Use only in well-ventilated areas. Avoid breathing vapours and/or aerosols. Avoid contact with skin and eyes. Avoid contact with eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use personal protective equipment. When using, do not eat, drink or smoke.

Storage: Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.

STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Materials to avoid Reactive metals (e.g. sodium, calcium, zinc etc.).

Materials reactive with hydroxyl compounds.

Organic acids (i.e. acetic acid, citric acid etc.).

Mineral acids.

Sodium hypochlorite.

Product slowly corrodes copper, aluminium, zinc and galvanized surfaces.

Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.

Oxidizing agents.

Hazardous decomposition products:

Nitric acid.

Ammonia.

Nitrogen oxides (NOx).

Nitrogen oxide can react with water vapors to form corrosive nitric acid.

Carbon monoxide.

Carbon dioxide (CO₂).

Aldehydes.

Flammable hydrocarbon fragments (e.g., acetylene).



TOXICOLOGICAL INFORMATION

Acute Health Hazard

Ingestion: LD50: 2,369 mg/kg

Inhalation: No data is available on the product itself.

Inhalation - Components

Benzyl alcohol LC50 (4 h): > 4.178

mg/ISOEC Test Guideline 403

Skin.: LD50 : > 2,000 mg/kg

Chronic Health Hazard

The No Observed Adverse Effect Level (NOAEL) was 400 mg/kg.

ECOLOGICAL INFORMATION

Ecotoxicity effects

Aquatic toxicity: No data is available on the product itself.

Toxicity to other organisms: No data available.

Persistence and degradability

Mobility: No data available.

Bioaccumulation: No data is available on the product itself.

Bioaccumulation - Components

Benzyl alcohol Low bioaccumulation potential.

DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Contact supplier if guidance is required.

Contaminated packaging Dispose of container and unused contents in accordance with federal, state, and local requirements.

PRECAUTIONS FOR USE

Exposure controls / Personal Protection

Engineering measures

Special ventilation is not normally required due to the low volatility of the product at normal temperature. However, in the operation of certain equipment or at elevated temperatures, mists or vapours may be generated and exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standards or where no exposure standard is allocated, as low as reasonably practicable.

Personal protective equipment

Do not breathe vapours or mist. The following personal protective equipment is recommended:

- Eye/face protection e.g., safety goggles or glasses, face-shield.
- Gloves e.g., Butyl, EVAL-Laminate
- Suitable protective clothing e.g., overall, safety shoes
- No respiratory protection is usually required under normal conditions of use
- Use of a hand barrier cream is recommended

Environmental exposure controls: Construct a dike to prevent spreading.

Special instructions for protection and hygiene: Discard contaminated leather articles. Provide readily accessible eye wash stations and safety showers. Wash at the end of each work shift and before eating, smoking or using the toilet

EMERGENCY 24 HOURS:
POISONS INFORMATION CENTRE
Herston Rd, Herston
13 11 26 (All Hours)

Fire Fighting Measures

Suitable extinguishing media: Alcohol-resistant foam.

Carbon dioxide (CO₂).

Dry chemical.

Dry sand.

Limestone powder.

Specific hazards: Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

Special protective equipment for fire-fighters: Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

Further information: Do not allow run-off from firefighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Hazards Identification

Emergency Overview

Corrosive.

Components of the product may affect the nervous system.

Severe eye irritant.

Severe respiratory irritant.

May cause sensitization by skin contact.

Potential Health Effects



IMPORTANT NOTICE: Read the SDS and TDS carefully prior to the use of any product. Application, performance & safety data may change from time to time. In emergency, contact the Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice. **IF THE SITUATION IS LIFE THREATENING, DIAL 000.**

PRODUCT DISCLAIMER: Read the SDS & TDS carefully before use of any product. These documents contain information in context to how you will apply the product, including if it is being used in conjunction with any other products, the type of surfaces and the manner in which the product will be applied. All Purpose Coatings Pty Ltd does not accept any liability either directly or indirectly for any losses that arise from the use or application of the product in accordance with any advice, specification, recommendation or information given by All Purpose Coatings Pty Ltd.