



IDENTIFICATION

Chemical Name:	Epoxy Hardener	Packing Group:	III
UN No.	2735	Hazchem Code:	2X
Hazard Class:	8	Proper Shipping Name:	Isophoronediamine Mixture, Environmentally hazardous substance, Liquid, N.O.S
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:	Colourless Liquid, Ammoniacal	Boiling Point:	205 Deg.C
Freezing Point:	Not Applicable	Vapour Pressure:	< 10.34 mmHg at 21 Deg.C
pH:	Not Measured	Specific Gravity:	1.1 (H2O = 1)
Flammability Limits:	Not Applicable	Evaporative Rate:	Not Applicable
Solubility (Water):	< 0.1 g/l	Flash Point	96 Deg.C
Density:	64.301 lb/ft3 (1.03 g/cm3) at 21 Deg.C	Auto-ignition:	Not Applicable

INGREDIENTS

Components	CAS Number	Proportion	Hazard Codes
Isophorone Diamine		30-50%	
Amine-Resin Adduct		10-20%	
Non Hazardous Additives		0-3%	

HEALTH HAZARD INFORMATION

First Aid

Ingestion: Rinse mouth with water. Give water to drink. DO NOT induce vomiting. Seek medical attention immediately.

Eye: Flush with large quantities of water for 30 minutes and seek medical attention.

Skin: Immediately wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before reuse. If swelling, redness, blistering or irritation occurs seek immediate medical advice.

Inhaled: Remove victim from exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume comfortable position & keep warm. Keep at rest until fully recovered. If breathing is laboured or stopped seek immediate medical advice.

Advice to Doctors: Treat symptomatically.

ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition, may burn though not readily ignitable. Clear area of all unprotected personnel. Ventilate area. Contain – prevent runoff into drains and waterways. If contamination of waterways or sewers has occurred, advise the local emergency services.

Small Spill: For clean-up of a spill from a single shipping pack soak up with an absorbent material such as sand or other non-combustible absorbent material and place material in a closed container. If applicable, wash the area with detergent and water.

Large Spill: Eliminate all sources of sparks or open flame. Wear protective clothing. Stop further release or spread of spilled material. For clean-up, pump or scoop up liquid into a salvage drum. Absorb remaining liquid as for small spills. Place clean up material and damaged containers into salvage drums for disposal. If applicable, wash the area with detergent and water.

HANDLING AND STORAGE

Handling: When filling, transferring, or emptying of containers, adequate suctioning close to work place necessary. Ensure adequate ventilation. If the occupational exposure limits are exceeded, suitable respiratory protective equipment must be worn.

Storage: Keep container tightly closed in a cool, well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not store with acids.

STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Hazardous Polymerisation: Will not occur

Incompatibility: Avoid reactive metals (e.g. sodium, calcium, zinc etc.). Materials reactive hydroxyl compounds. Organic acids (i.e. acetic acid, citric acid etc.). Mineral acids, Sodium hypochloride. 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.

Conditions to Avoid: Avoid high temperatures.

Hazardous Decomposition

Products: Nitric acid, Ammonia, Nitrogen oxides (Nox). Nitrogen oxide can react with water vapours to form corrosive nitric acid, Carbon monoxide, Carbon dioxide (CO₂), Aldehydes. Flammable hydrocarbon fragments (e.g. acetylene).

TOXICOLOGICAL INFORMATION

Based on the properties of the resin.

Swallowed: Oral LD50 is >2,369mg/kg. This material has a corrosive effect on mucous membranes.

Skin: Dermal LD50 is >2000mg/kg. This material has a corrosive effect on skin.

Inhalation: Components Benzyl alcohol LC50 (4h): 4.178mg/1000mg Test Guideline 403

Eyes: This material has a corrosive effect on eyes.

Acute/Chronic Toxicity: This product does not contain 0.1% or more of any substance which is listed as a carcinogen by Worksafe.

Product specific toxicological data are not known. The product has not been tested. The information is derived from the properties of the resin.

ECOLOGICAL INFORMATION

Based on the individual components present in the formulation

Environmental Fate

Movement and Partitioning: No information was found on any of the components

Degradation and Persistence: Mobility: No data available. **Bioaccumulation:** No data is available on the product itself. Bioaccumulation – Components Benzyl Alcohol Low bioaccumulation potential.

No degradation and persistence data was found for any of other components

Ecotoxicology: Aquatic toxicity: No data is available on the product itself. Toxic to fish – Components

No ecotoxicology data was found for any of the other ingredients.

General Information: Do not allow spillage to soil or waterways.

DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority. Normally suitable for incineration by approved agent.

TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code)

PRECAUTIONS FOR USE

Exposure controls / Personal Protection

EXPOSURE STANDARDS

No exposure standards have been established for this material by State Work Australia. However, exposure should be kept to lowest possible levels.

Engineering Controls

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 Protection

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

Flammability: Not Flammable

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

Fire Fighting Measures

Flammable Properties

Combustible liquid, will not burn unless preheated. Isolate from sources of heat, naked flames or sparks. Refer to AS1940 – Storage and handling of flammable and combustible liquids and AS2865 – Safe working in a confined space, for more specific information on these subjects.

Polymerisation No specific data available

Hazardous Combustion Products

In the event of a fire the following substances can be released: Carbon monoxide (CO), Carbon dioxide (CO₂), Nitrogen oxides (NO_x).

Fire & Explosion Hazards

This product will not burn unless preheated. 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 Fire Fighting Procedures

Evacuate personnel to a safe area. If the product is on fire wear a self-contained breathing apparatus and full protective clothing. Cool endangered containers with water spray jet. Fire residues and contaminated fire extinguishing media must be disposed of in accordance with local regulation. Do not allow fire extinguishing media from fire to enter water supplies or drainage systems.

Hazards Identification

HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE (AUSTRALIA). NON-DANGEROUS ACCORDING TO THE CRITERIA OF THE ADG CODE Note: This product is classed as a MARINE POLLUTANT only and so the Dangerous Goods classification that follows is for AIR and MARINE transport only. NOT classed as a Dangerous Good for Storage and Road and Rail transport.

Hazard Phrase/s	Xi	Irritant
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Risk Phrases

Irritating to eyes
 Irritating to skin
 May cause sensitisation by skin contact

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

Safety Phrases

Avoid contact with skin & eyes
 Do not empty into drains
 Wear suitable protective clothing
 Wear suitable gloves
 Wear eye/face protection

COMPOSITION/INFORMATION ON INGREDIENTS

Cycloaliphatic Amine
 Chemical Family: Modified compound of Cycloaliphatic Amine

Extinguishing Media

Use alcohol resistant foam, dry sand, dry chemical, Carbon dioxide (CO₂), Limestone powder.



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.