

## 1. IDENTIFICATION

**Product Name:** Clear Coating Fast Hardener  
**Other names:**  
**Product Use Description:** Used in conjunction with epoxy resin for coating application

Contact Information:	Organisation	Location	Telephone	Ask for
	Adelaide Moulding and Candle Supplies Edwardstown, 5039 SA Australia	7 Woodlands Terrace	Ph: 08 8294 0451	SDS Officer
	Poisons Information Centre		Ph: 13 11 26	

## 2. HAZARD IDENTIFICATION

**Hazard Classification (GHS):** H314 - Causes severe skin burns and eye damage – Skin Corrosion sub-category 1B  
H302 – Harmful if swallowed – Acute toxicity Category 4  
H312- Harmful in contact with skin – Acute toxicity Category 4  
H317 – May cause an allergic skin reaction - Skin Sensitisation Category 1

**Precautionary Statement:** Harmful if swallowed. Corrosive. Causes severe irritation if inhaled, severe skin irritation, severe eye irritation and may cause skin and eye burns. Can cause allergic respiratory reaction and allergic skin reaction. Wear protective gloves, eye protection and face protection.

**Signal word:** Danger

### National Transport Commission (Australia)

Australia Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**Dangerous Goods Classification:** Class 8 – Corrosive substances

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Mixtures:

**Hazardous components:** 3-Aminomethy-3,5,5-trimethylcyclohexylamine, 2855-13-2, 30-60%  
4,4'-Isopropylidenediphenolepichlorohydrin copolymer, 25068-38-6, >20  
Benzyl Alcohol, 100-51-6, 30 -60  
Polyamines  
Chemical Family: ISOPHORONEDIAMINE

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

Classification (GHS) : H314; H302; H312; H317  
For the wording of the listed risk phrases refer to section 16.

## 4 FIRST AID MEASURES

### Description of first aid measures

**Symptoms and effects:** Irritation of the skin and eyes.

**Swallowed:** If swallowed, immediately give at least 3-4 glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention.

**Eye:** For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Take care not to rinse contaminated water unto the non-affected eye. If doctor is not available flush for an additional 15 minutes. Seek immediate medical attention.

**Skin:** For skin contact, under a safety shower, immediately remove contaminated clothing and shoes. Wash affected areas thoroughly with large amounts of water, and soap if available, for at least 15 minutes. Seek immediate medical attention. Discard or decontaminate clothing before re-use and destroy contaminated shoes.

**Inhaled:** Remove victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop and persist seek medical attention.

<b>Overexposure Effects:</b>	Causes severe irritation if inhaled, severe skin irritation, severe eye irritation, and may cause skin and eye burns. Can cause allergic respiratory reaction and allergic skin reaction.
<b>Medical Advice:</b>	If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should not be allowed.
<b>Advice to Doctor:</b>	Treat symptomatically.
<b>Other Information:</b>	For advice, contact a Poisons Information Center (Phone e.g Australia 131 126)

## 5 FIRE FIGHTING MEASURES

<b>Special hazards:</b>	Not classified as flammable, but will burn. Under fire conditions this product may emit toxic and/or irritating fumes including Oxides of Carbon and Oxides of Nitrogen.
<b>Extinguishing Media:</b>	Small Fires- Dry chemical powder, carbon dioxide, foam, water spray or fog, sand or earth. Large Fires- Foam, Water Spray or fog.
<b>Unsuitable extinguishing media:</b>	Water in a jet
<b>Equipment:</b>	Use full protective clothing and self contained breathing apparatus.
<b>Other information:</b>	Keep adjacent containers cool by spraying with water.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Avoid all personal contact with skin, eyes and clothing
<b>Personal protection:</b>	Wear protective clothing specified for normal operations (see section 8)
<b>Environmental precautions:</b>	Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditched or rivers by using sand, earth or other appropriate barriers. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
<b>Clean up methods – Small spillage:</b>	Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent material onto spillage. Use clean non-sparkling tools to collect the material and place in a suitable labelled container. Do not dilute material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations.
<b>Large spillage:</b>	Transfer to a labelled container for product recovery or safe disposal. Otherwise treat as for small spillage.

## 7 HANDLING AND STORAGE

### Precautions for safe handling

<b>Signal word:</b>	Danger!
<b>Precautions:</b>	Harmful if swallowed. Corrosive. Causes severe irritation if inhaled, severe skin irritation, severe eye irritation and may cause skin and eye burns. Can cause allergic respiratory reaction and allergic skin reaction.
<b>Handling:</b>	Do not get into eyes, on skin or on clothing. Use only with adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated contact with skin, eyes and clothing. Wash thoroughly after handling. DANGER. Corrosive to the eyes, corrosive to the skin. Maybe harmful if swallowed. Causes respiratory tract irritation. May cause skin sensitisation. Containers, even those that have been emptied, can contain hazardous product residues. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing before reuse. Contaminated leather articles, including shoes cannot be decontaminated and should be destroyed to prevent reuse.
<b>Storage:</b>	Store under inert gas. Moisture sensitive. Sensitive to Carbon Dioxide. Keep container tightly closed in a dry and well ventilated place out of direct sunlight. Keep containers closed when not in use.
<b>Storage temperatures:</b>	Ambient

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure standards:** None established

### Exposure Controls

#### Personal protective equipment

<b>Respiratory protection:</b>	Where ventilation is inadequate the use of an Air Purifying Respirator with a Protection replaceable organic vapour filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended.
<b>Skin protection:</b>	Wear impervious nitrile rubber gloves or butyl rubber gloves, gauntlet type.
<b>Eye protection:</b>	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken.
<b>Body protection:</b>	Standard issue work clothes, safety boots.
<b>Engineering Controls:</b>	Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mist are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required. Provide readily accessible eye wash stations and safety showers.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state:</b>	Low Viscosity Liquid
<b>Colour:</b>	Clear
<b>Odour:</b>	Amine like
<b>Density:</b>	0.92 to 1.00
<b>Flash point:</b>	110°C (Closed Cup)
<b>Ignition temperature:</b>	Data not available
<b>Solubility in water:</b>	Data not available
<b>Boiling Point:</b>	>247°C
<b>Vapour Density:</b>	Data not available
<b>Vapour Pressure:</b>	0.0157 hPa @ 20°C (OECD Test Guideline 104)

## 10 STABILITY AND REACTIVITY

**Stability:** Stable under normal use conditions.  
**Materials to avoid:** strong oxidising agents  
**Conditions to avoid:** Extremes of temperature and direct sunlight. Exposure to water vapour.  
**Hazardous Decomposition Products:** Nitrogen oxides; Carbon Monoxide; Carbon Dioxide

## 11 TOXICOLOGICAL INFORMATION

Acute toxicity – oral: LD50 > 1030 mg/kg (OECD Test Guideline 401)  
Acute toxicity – dermal: LD50 > 2000 mg/kg (OECD Test Guideline 402)

**Eye irritation:** Corrosive  
**Skin irritation:** Corrosive, causes burns.  
**Inhalation:** Inhalation of aerosol may cause irritation to the upper respiratory tract.  
Can cause severe eye, skin, and respiratory tract burns.  
**Ingestion:** If ingested, severe burns of the mouth and throat.  
**Sensitization:** Skin sensitiser  
**Chronic effects:** Prolonged or repeated contact may result in irritation and/or allergic contact dermatitis.

## 12 ECOLOGICAL INFORMATION

Toxic to aquatic environment. Do not allow to reach ground water or sewage system.

## 13 DISPOSAL CONSIDERATIONS

**Precautions:** See section 8. Refer to section 7 before handling the product or containers.  
**Waste disposal:** Recover or recycle product and container, if possible. Otherwise incineration or dispose to licensed contractor in accordance with federal, state and local regulations.  
**Product disposal:** Drain container thoroughly. Rinse three times with suitable solvent. Treat rinses as for product disposal. After draining, vent in a safe place away from sparks.  
**Local Legislation:** Dispose of according to local legislation.

## 14 TRANSPORT INFORMATION

### Land Transport (Australia)

ADG  
**Proper Shipping Name:** ISOPHORONEDIAMINE  
**Class:** 8  
**UN Number:** UN2289  
**Pack Group:** III

### Sea Transport

IMDG  
**Proper Shipping Name:** ISOPHORONEDIAMINE  
**Class:** 8  
**UN Number:** UN2289  
**Pack Group:** III  
**Marine Pollutant:** No.  
**EmS:** F-A, S-B

### Air Transport (Australia)

IATA  
**Proper Shipping Name:** ISOPHORONEDIAMINE  
**Class:** 8  
**UN Number:** 2735  
**Pack Group:** III  
**ERG:** 8L

## National Transport Commission (Australia)

Australian code for the Transport of Dangerous Goods by Road & Rail (ADF Code)

Dangerous Goods Classification Class 8

## 15 REGULATORY INFORMATION

### National regulatory information

**GHS:** This safety data sheet has been prepared in compliance with the Globally Harmonized System of classification and labelling of chemicals (GHS). This product is considered hazardous under that standard.

**SARA Title III: Section 313 Toxic Chemical List (TCL):** This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372). This information must be included in all SDS's that are copied and distributed for this material.

## 16 OTHER INFORMATION

### Further Information

The details in this safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

### GHS Hazard statements of components

- H314 - Causes severe skin burns and eye damage – Skin Corrosion sub-category 1B
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This data is based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. It is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as a guarantee of any specific property of the product.

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This bulletin cannot cover all possible situations that the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to develop appropriate work practice guidelines and employee instructional programs for your operation.