

## 1. IDENTIFICATION

**Product Name:** Clear Coating Fast Hardener  
**Other names:** N/A  
**Product Use Description:** Used in conjunction with epoxy resin for adhesive and composites applications.

**Contact Information:**

Organisation	Location	Telephone	Ask For
Adelaide Moulding and Candle Supplies	1 Woodlands Terrace, Edwardstown SA 5039	08 8294 0451	SDS Officer
Poisons Information Centre		13 11 26	

## 2. HAZARD IDENTIFICATION

**Hazard Classification (GHS):** Skin Corrosion (Category 1)  
Serious Eye Damage (Category 1)  
Acute toxicity, oral (Category 4)  
Chronic toxicity, dermal (Category 4)  
Skin sensitisation (Category 1)

**GHS Label elements, including precautionary statements**

**Pictogram:**



**Signal Word:** Danger

**Hazard statement(s):** H302 Harmful if swallowed  
H312 Harmful in contact with skin  
H314 Causes severe burns and eye damage  
H317 May cause allergic skin irritation.

**Precautionary statement(s):** P261 Avoid breathing dust / fumes / gas / mist / vapours / spray/  
P270 Do not eat, drink, or smoke when using this product.  
P280 Wear protective gloves / eye protection / face protection.

**Response:** P302 + P361 + P353 IF ON SKIN (or hair): Remove / take off immediately all contaminative clothing.  
Rinse skin with water / shower.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor / physician.  
P333 + P313 If skin irritation or rash occurs: Get medical advice / attention.  
P363 Wash contaminated clothing before reuse.

**Disposal:** P501 Dispose of contents / container to an approved waste disposal plant.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
3-Aminomethy-3,5,5-trimethylcyclohexylamine	2855-13-2	30 - 60
4,4'-Isopropylidenediphenolepichlorohydrin copolymer Common Name: Bisphenol A diglycidyl ether polymer	25068-38-6	>20
Benzyl Alcohol	100-51-6	30 - 60

Polyamines	-	<10
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Chemical family: ISOPHORONEDIAMINE

#### 4. FIRST AID MEASURES

<b>General Advice:</b>	Seek medical advice. If breathing has stopped or is laboured give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped begin cardiopulmonary resuscitation immediately.
<b>Inhalation:</b>	Remove the source of contamination or move the 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>Ingestion:</b>	DO NOT INDUCE VOMITING. Immediately wash out mouth with water. In general, no treatment is necessary unless large quantities are ingested, however, seek medical attention.
<b>Skin:</b>	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.
<b>Eye:</b>	If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water unto the non-affected eye. If symptoms persist seek medical attention.
<b>First Aid Facilities:</b>	Eye wash and normal wash room facilities.
<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>Suitable extinguishing media:</b>	Use water spray, carbon dioxide, dry chemical or foam.
<b>Hazards from Combustion Products:</b>	Under fire conditions this product may emit toxic and/or irritating fumes including Oxides of Carbon and Oxides of Nitrogen.
<b>Precautions in connection with Fire:</b>	Full protective clothing and self-contained breathing apparatus. Operated in a positive pressure mode. Water spray may be used to keep fire exposed containers cool.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures:</b>	Wear appropriate personal protective equipment and clothing to minimise exposure. 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-sparking 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. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
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#### 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	Do not get into eyes, on skin or 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>Conditions for Safe 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.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>National Exposure Standards:</b>	No exposure standards have been established for this material by the Australian National Occupational Health and Safety Commission (NOHSC) or the Occupational Safety and Health Service (OHS) of the New Zealand Department of Labour. However, exposure standards for ingredients are stated below: Australian National Occupational Health and Safety Commission (NOHSC) exposure standards:
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<b>Biological Limit Values:</b>	No biological limit allocated.
<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.
<b>Respiratory Protection:</b>	Where ventilation is inadequate the use of an Air Purifying Respirator with a replaceable organic vapour filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended.
<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. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 – Eye protectors for Industrial Applications.
<b>Hand Protection:</b>	Wear gloves of impervious material such as impervious PVC or rubber gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1 Occupational protection gloves – Selection use and maintenance.
<b>Body Protection:</b>	Suitable work wear should be worn to protect personal clothing. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial Clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Low viscosity liquid
<b>Colour:</b>	Clear
<b>Odour:</b>	Amine like
<b>Ph:</b>	Not Available
<b>Melting Point:</b>	Not Determined
<b>Flash Point:</b>	110°C (Closed Cup)
<b>Boiling Point:</b>	>247°C
<b>Vapour Density:</b>	Not Available
<b>Vapour Pressure:</b>	0.0157 hPa @ 20°C (OECD Test Guideline 104)
<b>Density:</b>	1.04 to 1.06
<b>Auto-Ignition Temperature:</b>	Not Available
<b>Flammable Limits – Lower:</b>	Not Available
<b>Flammable Limits – Upper:</b>	Not Available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight. Exposure to water vapour.
<b>Incompatible Materials:</b>	Strong oxidising agents
<b>Hazardous Decomposition Products:</b>	Nitrogen oxides Carbon Monoxide Carbon Dioxide

## 11. TOXICOLOGICAL INFORMATION

<b>Acute oral toxicity:</b>	LD50 Oral Rat, male >1,030 mg/kg (OECD Test Guideline 401)
<b>Acute dermal Toxicity:</b>	LD50 Dermal Rat, male and female > 2,000 mg/kg (OECD Test Guideline 402)
<b>Inhalation:</b>	Inhalation of aerosol may cause irritation to the upper respiratory tract. Can cause severe eye, skin, and respiratory tract burns.
<b>Ingestion:</b>	If ingested, severe burns of the mouth and throat.
<b>Skin:</b>	Skin Rabbit Result – causes burns – 24 h  Maximisation Test – Guinea Pig Result – May cause sensitisation by skin contact (OECD Test Guideline 406)
<b>Eyes:</b>	Rabbit Result – Corrosive to eyes – 24 h (OECD Test Guideline 405)
<b>Chronic Effects:</b>	Prolonged or repeated contact may result in irritation and/or allergic contact dermatitis.

## Chronic toxicity or effects from long term exposures

<b>Carcinogenicity:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Reproductive toxicity:</b>	No data available
<b>Germ cell Mutagenicity:</b>	Hamster Ovary Result - Negative  Mutagenicity (micronucleus test) Mouse – male and female Result - Negative
<b>Specific target organ systemic toxicity (single exposure)</b>	No data available
<b>Specific target organ systemic toxicity (repeated exposure)</b>	No data available
<b>Aspiration hazard:</b>	No data available

## 12. ECOLOGICAL INFORMATION

<b>Toxicity to fish:</b>	Semi-static test LC50 – Leuciscus idus (Golden Orfe) - 110 mg/l - 96.0 h
<b>Toxicity to daphnia and other aquatic invertebrates:</b>	Immobilisation EC50 – Daphnia Magna (Water Flea) – 23 mg/l – 48 h (OECD Test Guideline 202)
<b>Toxicity to Algae:</b>	Static test EC50 – Desmodesmus Subspicatus (Green Algae) 37 mg/l – 72 h
<b>Toxicity to bacteria:</b>	EC10 – Pseudomonas Putida - 1,120 mg/l – 18h
<b>Persistence / Degradability</b>	Not available.
<b>Mobility</b>	Not available.
<b>Environmental Protection:</b>	Do not allow product to enter drains, waterways or sewers.
<b>Other adverse effects:</b>	Harmful to aquatic life

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal Considerations:</b>	Dispose of waste according to federal, EPA and state regulations. Do not allow product to enter drains, waterways or sewers.
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## 14. TRANSPORT INFORMATION

<b>ADG</b>	UN/ID No : UN2289 Proper shipping name : ISOPHORONEDIAMINE Class : 8 Packing Group : III Marine Pollutant : No
<b>IATA</b>	UN/ID No : UN2289 Proper shipping name : ISOPHORONEDIAMINE Class : 8 Packing Group : III Marine Pollutant : No ERG : 8L
<b>IMDG</b>	UN/ID No : UN2289 Proper shipping name : ISOPHORONEDIAMINE Class : 8 Packing Group : III Marine Pollutant : No EmS : F-A,S-B
<b>RID / ADR</b>	UN/ID No: UN2289

Proper shipping name : ISOPHORONEDIAMINE  
Class : 8  
Packing Group : III  
EAC : 2X  
HIN : 80  
Marine Pollutant : No

## 15. REGULATORY INFORMATION

**Regulatory Information:** Australia: Classified as hazardous according to criteria of National Occupational Health and Safety Commission (NOHSC).

**Poisons Schedule:** Schedule 5

## 16. OTHER 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.

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.

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