

1 IDENTIFICATION

Product Name: Clear Coating Resin
Other names:
Product Use Description: Used in conjunction with epoxy curing agent for adhesive and composites applications.

Contact Information:

Organisation	Location	Telephone	Ask for
Adelaide Moulding and Candle Supplies Edwardstown SA 5039 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
H402 – Harmful to aquatic life – Acute toxicity Category 3
H412 – Harmful to aquatic life with long lasting effects – Acute toxicity Category 3

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: 4,4'-Isopropylidenediphenolepichlorohydrin copolymer, 25068-38-6, >20
Cresyl glycidyl ether, 2210-79-9, <5
Other ingredients determined not to be hazardous, to 100

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; H402; H412
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 onto 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.

Overexposure Effects:	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.
Medical Advice:	If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should not be allowed.
Advice to Doctor:	Treat symptomatically.
Other Information:	For advice, contact a Poisons Information Center (Phone e.g Australia 131 126)

5 FIRE FIGHTING MEASURES

Special hazards:	Not classified as flammable, but will burn. Under fire conditions this product may emit toxic and/or irritating fumes including but not limited to: Phenolics, Carbon Monoxide, Carbon Dioxide.
Extinguishing Media:	Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred.
Equipment:	Use full protective clothing and self contained breathing apparatus.
Other information:	Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in cases of rising sound from venting safety device or discolouration of the container. Do not use direct water stream. May spread fire. Move container from fire if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Water fog, applied gently may be used as a blanket for fire extinguishment. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid all personal contact with skin, eyes and clothing
Personal protection:	Wear protective clothing specified for normal operations (see section 8)
Environmental precautions:	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.
Clean up methods – Small spillage:	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.
Large spillage:	Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable materials. 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

Signal word:	Danger!
Precautions:	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.
Handling:	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.
Storage:	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.
Storage temperatures:	Ambient

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure standards:	None established
Exposure Controls	
Personal protective equipment	
Respiratory protection:	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.
Skin protection:	Wear impervious nitrile rubber gloves or butyl rubber gloves, gauntlet type.
Eye protection:	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.
Body protection:	Standard issue work clothes, safety boots.
Engineering Controls:	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

Physical state:	Liquid
Colour:	Clear
Odour:	Little
Density:	1.10 to 1.15
Flash point:	>100°C (ASTM D-93 / PMCC)
Ignition temperature:	Data not available
Solubility in water:	Data not available
Boiling Point:	320°C DSC Decomposition
Vapour Density:	Data not available
Vapour Pressure:	<0.001 kPa @ 20°C

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. Avoid contact with water or liquids. Reaction with some curing agents may produce considerable heat and possible violent decomposition.

Hazardous Decomposition Products: Carbon Monoxide

11 TOXICOLOGICAL INFORMATION

Acute toxicity – oral:	LD50 >15,000mg/kg
Acute toxicity – dermal:	LD50 >23,000mg/kg

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:	Do not dump into any sewers, on the ground, considerations or into any body of water. 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 Not subject to the ADG Code when transported by Road or Rail. (ADG 7, Special Provision AU01)

Sea Transport

IMDG

Proper Shipping Name:	Proper shipping name: Environmentally hazardous substance, liquid, N.O.S (EPOXY RESIN)
Class:	9
UN Number:	UN2289
Pack Group:	III
Marine Pollutant:	No.
EmS:	F-A, S-F

Air Transport (Australia)

IATA

Proper Shipping Name:	Proper shipping name: Environmentally hazardous substance, liquid, N.O.S (EPOXY RESIN)
Class:	9
UN Number:	UN3082
Pack Group:	III
ERG:	9L

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.
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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

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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.