Coatings just got easier.

Safety Data Sheet

Date of Issue: September 21
(Supersedes November 17)

Clear Part B

Section 1: Identification of the substance/mixture and of the supplier

Product Name:	Clear Part B.
Product Use:	General purpose epoxy when mixed with Clear Part A.
Pack Size:	4 litres.
Company:	Real World Epoxies Research Labs
Address:	C/- 19/10 Miltiadis Street Acacia Ridge QLD 4110
Emergency Phone:	0408 877 256

Section 2: Hazards Identification

GHS Classification:

Skin Corrosion:	Category 1.
Serious Eye Damage:	Category 1.
Acute Toxicity (Oral):	Category 4.
Chronic Toxicity (Dermal):	Category 4.
Germ Cell Mutagenicity:	Category 2.
Skin Sensitisation:	Category 1.
Specific Target Organ Toxicity: (Repeated Exposure - Oral)	Category 2.

GHS Label:

Signal Word: Danger

Precautionary Statements:
Hazard:
H302 - Harmful if swallowed.
H312 - Harmful in contact with skin.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H341 - Suspected of causing genetic defects.
H373 - May cause damage to organs through prolonged or repeated exposures.

Prevention:
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 in accordance with local and federal regulations.

General:
P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.

Section 3: Composition/information on ingredients

INGREDIENT	CAS NUMBER	PROPORTION %
3-Aminomethy-3,5,5-trimethylcyclohexylamine	2855-13-2	30-60
Phenol	108-95-2	>1
The remaining products are trade secrets		to 100

Section 4: First-aid measures

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 begin cardiopulmonary resuscitation immediately.

Ingestion: DO NOT INDUCE VOMITING. If a person vomits when lying on his back, place him in the recovery position. Immediately wash out mouth with water. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

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

Skin Contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Flush immediately with copious amounts of water. Initiate and maintain 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.

Eye Contact: If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention, preferably an ophthalmologist. Suitable emergency eye wash facilities should be available in the work area.

Advice to Doctor: Treat symptomatically.

Other: For advice, contact a Poisons Information Center, e.g. Australia 131 126.

Section 5: Fire-fighting measures

Suitable Extinguishing Equipment: Use water spray, foam or dry chemical to fight fire.

Hazards Arising from Chemical: 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.

Protective Equipment for Firefighters: Full protective clothing and self-contained breathing apparatus required.

Section 6: Accidental release measures

Personal Precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Environmental Precautions: Do not allow to enter sewers or drainage. Construct a dike with absorbent, liquid-binding material to prevent spreading.

Methods for Clean Up: Scrape up and place in suitable container for disposal. Wash area with solvent. Dispose of material as contaminated waste in accordance with local and federal regulations.

Section 7: Handling and storage

Handling: Use only in well-ventilated areas. Avoid breathing vapors 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. Moisture sensitive. Sensitive to Carbon Dioxide.

Section 8: Exposure controls and personal protection

Exposure Standards: 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.

Exposure Limits:

Phenol	Time Weighted Average (TWA): EH40 WEL	2 ppm	
Phenol	Time Weighted Average (TWA): EU ELV	2 ppm	7.8mg/m^3
Phenol	Time Weighted Average (TWA): EH40 WEL	2 ppm	7.8mg/m^3
Phenol	Short Term Exposure Limit (STEL): EH40 WEL	4 ppm	16 mg/m^3

Engineering Controls: Mechanical local exhaust at point of contaminant release if conditions warrant.

Personal Protection: 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. Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337. Wear gloves of impervious material such as impervious PVC or rubber gloves. Reference should be made to AS/NZS 2161.1. Suitable work wear should be worn to protect personal clothing. Industrial clothing should conform to the specifications detailed in AS/NZS 2919.

Section 9: Physical and chemical properties

Appearance:	Colourless, low-viscosity liquid.		
Packaging:	5-litre plastic drum with screw top lid.		
Odour:	Ammoniacal odour.	Odour Threshold:	Not determined.
pH:	Alkaline.	Melting/Freezing Point:	Not determined.
Initial Boiling Point:	>240°C.	Boiling Point Range:	Not determined.
Flashpoint:	>100°C.	Evaporation Rate:	Not determined.
Flammability:	Not applicable.	Flammability Limits:	Not applicable.
Vapour Pressure:	0.0157 hPa @ 20°C (OECD Test Guideline 104)	Vapour Density:	Not determined.
Relative Density:	0.96kg/L	Solubility in Water:	Not determined.
Partition Co-efficient:	Not determined.	Auto ignition Temp:	Not applicable.
Decomposition Temp.:	Not determined.	Viscosity:	Not determined.

Section 10: Stability and reactivity

Chemical Stability:	The product is stable under normal conditions.
Conditions to Avoid:	Extremes of temperature and direct sunlight. Exposure to water vapour. Mixing large volumes of Part A and Part B - expect a significant exotherm within 20-25 minutes at 25°C.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Nitrogen oxides (NOx). Carbon monoxide. Carbon dioxide (CO_2).

Section 11: Toxicological information

Acute Toxicity:	Oral - Rat LD50 >1,030mg/kg. Dermal - Rabbit LD50 >2,000mg/kg. Inhalation - Inhalation of aerosol may cause irritation to the upper respiratory tract. Can cause severe eye, skin, and respiratory tract burns. Other Routes - No applicable toxicity data.
Skin Corrosion/Irritation:	Skin Rabbit. Result - causes burns - 24 h. Maximisation Test – Guinea Pig. Result - May cause sensitisation by skin contact (OECD Test Guideline 406).
Eye Damage/Irritation:	Rabbit. Result - Corrosive to eyes - 24 h (OECD Test Guideline 405).
Respiratory or Skin Sensitisation:	Prolonged or repeated contact may result in irritation and/or allergic contact dermatitis.
Carcinogenicity:	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.
Reproductive Toxicity:	No applicable toxicity data.
Germ Cell Mutagenicity:	Phenol - Results from a battery of short term genotoxicity tests indicate mutagenic activity.
STOT-single Exposure:	No applicable toxicity data.
STOT-repeated Exposure:	Phenol - Absorption of phenolic solutions through the skin may be very rapid and can cause damage to the kidneys, liver, pancreas and spleen, and edema of the lungs.
Aspiration Hazard:	No applicable toxicity data.

Section 12: Ecological information

Toxicity:	Toxicity to fish - Semi-static test LC50 – Leuciscus idus (Golden Orfe) - 110mg/l - 96.0 h Toxicity to daphnia and other aquatic invertebrates - Immobilisation EC50 - Daphina Magna (Water Flea) - 23mg/l - 48 h (OECD Test Guideline 202). Toxicity to algae - Static test EC50 - Desmodesmus Subspicatus (Green Algae) 37mg/l – 72 h. Toxicity to bacteria EC10 - Pseudomonas Putida - 1,120mg/l - 18h.
Persistence and Degradability:	No data is available on the product itself.
Bioaccumulative Potential:	No data is available on the product itself.
Mobility in Soil:	No data is available on the product itself.
Other Adverse Effects:	Harmful to aquatic life.

Section 13: Disposal considerations

Disposal Methods:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Residual Part B can be mixed with Part A to harden before disposal. Use industrial disposal. Comply with local, state and federal laws and regulations.

Section 14: Transport information

ADG

Proper shipping name:	ISOPHORONEDIAMINE
Class:	8
UN/ID No:	UN 2289
Packing Group:	III
Hazchem:	2X
Marine Pollutant:	No.

IATA

Proper shipping name:	ISOPHORONEDIAMINE
Class:	8
UN/ID No:	UN 2289
Packing Group:	III
Marine Pollutant:	No.

IMDG

Proper shipping name:	ISOPHORONEDIAMINE
Class:	8
UN/ID No:	UN 2289
Packing Group:	III
Marine Pollutant:	No.

Section 15: Regulatory information

Australia: Classified as hazardous according to criteria of National Occupational Health and Safety Commission (NOHSC).
Poisons Schedule Number: S5

Section 16: Other relevant information

Technical Services Information Officer: 0408 877 256