



APCEPO100C - EPOXY RESIN PART A

1. PRODUCT AND COMPANY IDENTIFICATION: Date of Issue: Oct 2012

Product name : **APCEPO100 Coating Kit Part A**

Product Use Description: Part A for an epoxy coating system.

2. 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.

Classification

IrritantCarc. Cat. 3; R40

Xi; R36/38

R43

N; R51/53

Risk Phrases

R40- Limited evidence of a carcinogenic effect.

R36/38- Irritating to eyes and skin.

R43- May cause sensitisation by skin contact.

R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Statement of hazardous nature

HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

Safety Phrases

Avoid contact with skin & eyes

Do not empty into drains

Wear suitable protective clothing

Wear suitable gloves

Wear eye/face protection

3. COMPOSITION/INFORMATION ON INGREDIENTS

Reaction product. Bisphenol F & A -(epichlorhydrin); epoxy resin 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-(chloromethyl)oxirane. WHMS Trade Secret.

Other ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.



There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST AID MEASURES

Ingestion	Rinse mouth with water. Give water to drink. DO NOT induce vomiting. Seek medical attention immediately.
Eyes	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.
Inhalation	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.
Note to Doctor	Treat symptomatically

5. 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 (CO ₂), 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.

Extinguishing Media

Use water fog, foam, dry chemical or Carbon dioxide.

6. ACCIDENTAL RELEASE

Remove all sources of ignition, may burn though not readily ignitable. Clear area of all unprotected personnel. Ventilate area. Contain – prevent run-off 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.

7. HANDLING & 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE STANDARDS

Chemical Name	Exposure Limits
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TWA (mg/m³)

STEL (mg/m³)

Engineering Controls

Use only in well ventilated areas. Maintain concentration below recommended exposure limit. Keep in a well ventilated place when not in use. Take precautionary measures against static discharges.

Personal Protection

Do not breathe vapors 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

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance & Odor:

Water-white liquid with slight odour / Coloured viscous liquid.

pH:

Not measured

Vapour Pressure:

Not measured

Vapour Density:

Not measured

Boiling Point:

Not measured

Solubility in Water:

Not measured g/l (25 deg C)

Flash Point:

Open Cup > 150

Specific Gravity:

1.25 (H₂O = 1)

Flammability Limits:

Not measured

Ignition Temperature:

Not measured

Other Properties:

Density: 1120kg/m³ @ 25 deg C Auto-ignition temperature (ASTM D-1929) : 400 deg C

10. STABILITY & REACTIVITY

Stability:

Stable.

Hazardous Polymerisation:

Will not occur

Incompatibility:

Avoid contact with strong oxidizing agents, strong acids and strong bases.

Conditions To Avoid:

Avoid high temperatures.

Hazardous Decomposition

Products:

Will not occur.



11. TOXICOLOGICAL INFORMATION

Based on the properties of the resin.

Swallowed:	Oral LD50 is >2,000mg/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:	No specific data available
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.

12. 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: sinks in water. Not readily biodegradable. Has the potential to bio-accumulate. Acute toxicity (fish) : Toxic, 1 < LC50 < 10mg/l. Sewage treatment : EC > 1 – 10mg/l, to organisms in sewage treatments plants. Toxic to aquatic organisms, may cause long – term adverse effects in the aquatic environment. Do not allow product to enter drains, sewers or water courses – inform the local authorities if this occurs.

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

Ecotoxicology:

The product is toxic to aquatic organisms

Acute LD50 for Rainbow trout (*Oncorhynchus mykiss*) is 82mg/l

Acute LD50 for fish is 1490mg/l

Acute LD50 for Water flea (*Daphnia magna*) is 600-1000 mg/l

Acute LD50 for Flathead minnow (*Pimephales promelas*) is 1700 mg/l

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

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

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

14. TRANSPORT INFORMATION

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

UN Number:	3082
Proper Shipping Name:	Environmentally hazardous substance, Liquid, N.O.S
Hazard Class:	9
Packaging Group:	III
Environmental Hazards:	Not classified as a dangerous good by Road/ADG, Rail/RID. Classed as a dangerous good by IMDG, IATA-DGR. Marine Pollutant (IMDG).
Hazchem Code:	2X Note: Special Provision AU01 Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in: a) packagings; b) IBCs: or c) any other receptacle not exceeding 500 Kg(L).

15. REGULATORY INFORMATION

ACIS: Not listed
Poisons Schedule: 5

This data sheet and the health, safety and environmental information it contains is considered to be accurate as of the date specified. However no warranty or representation, expressed or implied is made as to the accuracy or completeness of the data and the information in this data sheet. Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and / or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. All Purpose Coatings Pty Ltd shall not be responsible for any damage of injury resulting from abnormal use of this material, from any failure to adhere to recommendations or from any hazard inherent in the nature of the material.