SAFETY DATA SHEET

EPIREZ NON-SAG EPOXY MORTAR BINDER [633] COMPOUND

Infosafe No.: HY2L6
ISSUED Date : 14/02/2018
ISSUED by: ITW POLYMERS AND FLUIDS

1. IDENTIFICATION

Chemical Product and Company Identification
Epirez Non-Sag Epoxy Mortar Binder (633) Compound

GHS Product Identifier
EPIREZ NON-SAG EPOXY MORTAR BINDER [633] COMPOUND

Product Type
Epoxy Resin

Company Name
ITW POLYMERS AND FLUIDS (ABN 63 004 235 063)

Address
100 Hassall Street Wetherill Park
NSW 2164 Australia

Telephone/Fax Number
Tel: +61 2 9757 8800
Fax: +61 2 9757 3855

Emergency phone number
1800 385 556 / 0438 465 960

Emergency Contact Name
ITW Polymers and Fluids

Emergency Contact Address
100 Hassall Street Wetherill Park NSW 2164 Australia

(24 hour a day available)
1800 039 008

E-mail Address
info@itwpf.com.au
www.itwpf.com.au

Recommended use of the chemical and restrictions on use
Base or Part A of a 2 pack epoxy system.
Requires that the two parts be mixed by hand or mixer before use, in accordance with manufacturers directions. Mix only as much as is required. Do not return the mixed material to the original containers. Used according to manufacturer's directions. The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture
Eye Damage/Irritation: Category 2A
Hazardous to the Aquatic Environment - Acute Hazard: Category 2
Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2
Sensitization - Skin: Category 1
Skin Corrosion/Irritation: Category 2

Signal Word (s)
WARNING

Hazard Statement (s)
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statement – Prevention
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364 Take off contaminated clothing and wash it before reuse.
P363 Wash contaminated clothing before reuse.

Precautionary statement – Disposal
P501 Dispose of contents/container to comply with local regulations

Other Information
Poisons Schedule : S5 Use Caution

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Bisphenol A/ epichlorohydrin resin, liquid	25068-38-6	>60 %
Other ingredients not contributing to the classification		balance

4. FIRST-AID MEASURES

Inhalation
• If fumes or combustion products are inhaled remove from contaminated area.
• Lay patient down. Keep warm and rested.
• Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.

• Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.

Ingestion
• If swallowed do NOT induce vomiting.
• If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
• Observe the patient carefully.
• Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.

Skin
If skin contact occurs:
• Immediately remove all contaminated clothing, including footwear.
• Flush skin and hair with running water (and soap if available).
• Seek medical attention in event of irritation.

Eye contact
If this product comes in contact with the eyes:
• Wash out immediately with fresh running water.

• Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
• Seek medical attention without delay; if pain persists or recurs seek medical attention.
• Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Advice to Doctor
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
• Foam.
• Dry chemical powder.
• BCF (where regulations permit).
• Carbon dioxide.

Special Protective Equipment for fire fighters
Breathing apparatus.
Gas tight chemical resistant suit.
Limit exposure duration to 1 BA set 30 mins.

Specific Methods
• Alert Fire Brigade and tell them location and nature of hazard.
• Wear breathing apparatus plus protective gloves.
• Prevent, by any means available, spillage from entering drains or water courses.
• Use water delivered as a fine spray to control fire and cool adjacent area.

Specific Hazards Arising From The Chemical
• Combustible.
• Slight fire hazard when exposed to heat or flame.
• Heating may cause expansion or decomposition leading to violent rupture of containers.
• On combustion, may emit toxic fumes of carbon monoxide (CO).
Combustion products include: carbon monoxide (CO), carbon dioxide (CO2), aldehydes, other pyrolysis products typical of burning organic material.

Hazchem Code
•3Z

Decomposition Temperature
Not Available

Other Information
FIRE INCOMPATIBILITY
• Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

6. ACCIDENTAL RELEASE MEASURES

Clean-up Methods - Small Spillages
Environmental hazard - contain spillage.
• Clean up all spills immediately.
• Avoid contact with skin and eyes.
• Wear impervious gloves and safety goggles.
• Trowel up/scrape up.

Clean-up Methods - Large Spillages
• Clear area of personnel and move upwind.
• Alert Fire Brigade and tell them location and nature of hazard.
• Wear breathing apparatus plus protective gloves.
• Prevent, by any means available, spillage from entering drains or water course.
Environmental hazard - contain spillage.

Other Information
Personal Protective Equipment advice is contained in Section 8 (Exposure controls/personal protection) of the MSDS.

7. HANDLING AND STORAGE

Precautions for Safe Handling
• Avoid all personal contact, including inhalation.
• Wear protective clothing when risk of exposure occurs.
• Use in a well-ventilated area.
• Prevent concentration in hollows and sumps.

Conditions for safe storage, including any incompatibilities
SUITABLE CONTAINER
• Metal can or drum
• Packaging as recommended by manufacturer.
• Check all containers are clearly labelled and free from leaks.

STORAGE INCOMPATIBILITY
• Avoid cross contamination between the two liquid parts of product (kit).
• If two part products are mixed or allowed to mix in proportions other than manufacturer's recommendation, polymerisation with gelation and evolution of heat (exotherm) may occur.
• This excess heat may generate toxic vapour.
• Avoid reaction with amines, mercaptans, strong acids and oxidising agents.

STORAGE REQUIREMENTS
• Store in original containers.
• Keep containers securely sealed.
• Store in a cool, dry, well-ventilated area.
• Store away from incompatible materials and foodstuff containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values
EXPOSURE CONTROLS
The following materials had no OELs on our records
• bisphenol A/ epichlorohydrin resin, liquid: CAS:25068- 38- 6 CAS:25085- 99- 8

Appropriate Engineering Controls
Local exhaust ventilation usually required. If risk of overexposure exists, wear approved respirator.

Respiratory Protection
Type A-P Filter of sufficient capacity.

Eye Protection
• Safety glasses with side shields.
• Chemical goggles.
• Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59].

Hand Protection
NOTE:
• The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.
• Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.
• When handling liquid-grade epoxy resins wear chemically protective gloves (e.g nitrile or nitrile-butatoluene rubber), boots and aprons.
• DO NOT use cotton or leather (which absorb and concentrate the resin), polyvinyl chloride, rubber or polyethylene gloves (which absorb the resin).
• DO NOT use barrier creams containing emulsified fats and oils as these may absorb the resin; silicone-based barrier creams

should be reviewed prior to use.

Personal Protective Equipment
- Overalls.
- P.V.C. apron.
- Barrier cream.
- Skin cleansing cream.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
Paste

Appearance
Grey paste; not miscible with water.

Physical and chemical properties
Does not mix with water.
Sinks in water.

Decomposition Temperature
Not Available

Melting Point
Not Available

Boiling Point
Not Available

Solubility in Water
Immiscible

Specific Gravity
1.14

pH
Not Applicable (1% solution)
Not Applicable (as supplied)

Vapour Pressure
Not Available

Vapour Density (Air=1)
Not Available

Evaporation Rate
Not Available

Physical State
Non Slump Paste

Viscosity
Not Available

Volatile Component
Not Available

Flash Point
>100°C

Auto-Ignition Temperature
Not Available

Explosion Limit - Upper
Not Available

Explosion Limit - Lower
Not Available

Molecular Weight
Not Applicable

10. STABILITY AND REACTIVITY

Reactivity
CONDITIONS CONTRIBUTING TO INSTABILITY
• Presence of incompatible materials.
• Product is considered stable.
• Hazardous polymerisation will not occur.
For incompatible materials - refer to Section 7 - Handling and Storage.

11. TOXICOLOGICAL INFORMATION

Toxicology Information
TOXICITY AND IRRITATION
No data for this material.

Health Hazard
Irritating to eyes and skin.

Chronic Effects
May cause SENSITISATION by skin contact.

12. ECOLOGICAL INFORMATION

Ecological information
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
This material and its container must be disposed of as hazardous waste.
Avoid release to the environment.
Refer to special instructions/ safety data sheets.

Ecotoxicity
Ingredient Bisphenol A/epichlorohydrinresin, liquid

Persistance in water and soil : HIGH
Bioaccumulation : LOW
Mobility : HIGH

13. DISPOSAL CONSIDERATIONS

Disposal considerations
• Containers may still present a chemical hazard/ danger when empty.
• Return to supplier for reuse/ recycling if possible.
Otherwise:
• If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.
• Where possible retain label warnings and MSDS and observe all notices pertaining to the product.
• DO NOT allow wash water from cleaning or process equipment to enter drains.
• It may be necessary to collect all wash water for treatment before disposal.
• In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.
• Where in doubt contact the responsible authority.
• Recycle wherever possible or consult manufacturer for recycling options.
• Consult State Land Waste Authority for disposal.
• Bury or incinerate residue at an approved site.
• Recycle containers if possible, or dispose of in an authorised landfill.

14. TRANSPORT INFORMATION

Transport Information
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).
- Australian Special Provisions (SP AU01) - ADG Code 7th Ed.
Labels Required: MISCELLANEOUS

HAZCHEM:
3Z (ADG7)

Land Transport UNDG:
Class or division: 9
Subsidiary risk: None
UN No.: 3082
UN packing group: III
Shipping Name:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains bisphenol A/ epichlorohydrin resin, liquid)

Air Transport IATA:
ICAO/IATA Class: 9
ICAO/IATA Subrisk: None
UN/ID Number: 3082
Packing Group: III
Special provisions: A97

Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. *(CONTAINS BISPHENOL A/ EPICHLOROHYDRIN RESIN, LIQUID)

Maritime Transport IMDG:
IMDG Class: 9
IMDG Subrisk: None
UN Number: 3082
Packing Group: III
EMS Number: F-A , S-F
Special provisions: 179 274 335 909
Limited Quantities: 5 L
Marine Pollutant: Yes
Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

U.N. Number
3082

UN proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(contains bisphenol A/ epichlorohydrin resin, liquid)

Transport hazard class(es)
9

Packing Group
III

Hazchem Code
•3Z

IERG Number
47

15. REGULATORY INFORMATION

Regulatory information
REGULATIONS
Regulations for ingredients
Bisphenol A/ epichlorohydrin resin, liquid (CAS: 25068-38-6,25085-99-8) is found on the following regulatory lists;
'Australia Hazardous Substances', 'Australia Inventory of Chemical Substances (AICS)', 'OECD Representative List of High Production

Volume (HPV) Chemicals'

No data for ITW Epirez Non-Sag Epoxy Mortar Binder [633] Compound (CW: 20492)

Poisons Schedule
S5

16. OTHER INFORMATION

User Codes

User Title Label	User Codes
Poisons Schedule	S5

Other Information
INGREDIENTS WITH MULTIPLE CAS NUMBERS
Ingredient Name : Bisphenol A/ epichlorohydrinresin, liquid

CAS Numbers : 25068-38-6, 25085-99-8
The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

This MSDS has been transcribed into Infosafe NOHSC format from an original issued by the manufacturer on the date shown. Any disclaimer by the manufacturer may not be included in the transcription.

END OF SDS