

- 6.1D - Substance that is moderate acutely toxic (inhalation).
- 6.3A - Substance that is irritating to the skin.
- 6.5B - Substance that is a contact sensitiser.
- 9.1B - Substance that is toxic in the aquatic environment.

Hazard Statement Codes:

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H332 Harmful if inhaled.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statement Codes - Prevention:

- P103 Read label before use. - This statement applies only where the substance is available to the general public.
- P104 Read Safety Data Sheet before use.
- P261 Avoid breathing dust, mist or vapours.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.

Precautionary Statement Codes - Response:**GENERAL:**

- P101 If medical advice is needed, have product container or label at hand. - This statement applies only where the substance is available to the general public.
- P391 Collect spillage.

INGESTION:

- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P330 Rinse mouth.
- P331 Do NOT induce vomiting.

INHALATION:

- P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P331 Do NOT induce vomiting.

SKIN:

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.

Precautionary Statement Codes - Storage:

No storage statements.

Precautionary Statement Codes - Disposal:

- P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

Risk Phrase(s)

- R43 May cause sensitization by skin contact.
- R36/38 Irritating to eyes and skin.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrase(s)

- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S28 After contact with skin, wash immediately with plenty of soap and water.
- S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- S24/25 Avoid contact with skin and eyes.
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	EINECS	Proportion
Epoxy resin	25085-99-8		40-80 %
Glycidyl ether of C12-C14 alcohols	68609-97-2	271-846-8	10-30 %
Other ingredients determined not to be hazardous	-		(To 100%)

4. FIRST AID MEASURES

Inhalation

Remove affected person from exposure. Allow to assume most comfortable position and keep warm. Keep at rest until fully recovered. If symptoms persist seek medical attention.

Ingestion

If swallowed do NOT induce vomiting. Wash out mouth with water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Skin

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Seek medical attention.

Eye

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

First Aid Facilities

Eye wash station, safety shower and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

Other Information

For advice in an emergency, contact a Poisons Information Centre (Phone eg Australia 13 11 26; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water spray or water fog, foam, dry chemical powder or carbon dioxide.

Hazards from Combustion Products

Under fire conditions this product will emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide and other unidentified hydrocarbon compounds.

Specific Hazards

Combustible liquid. This product will burn if exposed to fire. Drums may rupture when exposed to fire conditions.

Hazchem Code

•3Z

Precautions in connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Increase ventilation. Evacuate all unnecessary personnel. Wear protective clothing and equipment to prevent exposure. If possible contain the spill. Place inert absorbent such as vermiculite or sand onto material. Prevent run off into drains and waterways. Use clean non-sparking tools to collect the material and place into suitable, labelled containers. Dispose of waste in accordance with applicable local and national regulations. If spillage enters the waterways inform the EPA and the local water authorities.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Use in a well ventilated area. Wear appropriate protective clothing and equipment to prevent skin, eye and respiratory exposure. Avoid generating vapours or mist. Label containers and keep closed when not in use. Empty containers may contain residues that are hazardous.

Conditions for Safe Storage

Store in a cool, dry, well ventilated area away from sources of ignition. This product should be stored away from foodstuffs, oxidising agents, amines and bases. For information on the design of the store-room reference should be made to Australian Standard AS1940, The storage and handling of flammable and combustible liquids. Reference should also be made to applicable local regulations.

Storage Regulations

Australia:

COMBUSTIBLE LIQUID - CLASS C2, Flashpoint >150°C.

Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940-2004 The storage and handling of flammable and combustible liquids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

No exposure standards have been established for this material by the National Occupational Health & Safety Commission (NOHSC), Australia or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to some industrial chemicals may result in aggravation of pre-existing medical conditions and/or allergic reactions and should be kept to the least possible levels.

Biological Limit Values

No biological limit allocated.

Engineering Controls

Use with good general ventilation. Where vapours or mists are generated, a local exhaust ventilation system, drawing vapours/mists away from workers breathing zone, should be used.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields or goggles should be worn as described in Australian Standard AS/ANZ 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear laminated film or other suitable gloves conforming to AS/NZS 2161: Occupational protective gloves. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist.
Industrial clothing should conform to the specifications detailed in AS/NZS 2919:
Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear straw-coloured liquid with characteristic odour.

Melting Point

Not available

Boiling Point

Not available

Solubility in Water

Insoluble

Specific Gravity

1.15

pH Value

Not available

Vapour Pressure

Not available

Vapour Density (Air=1)

>1

Evaporation Rate

<1 (n-Butyl acetate=1)

Flash Point

154°C (PMCC)

Flammability

Combustible liquid.

Auto-Ignition Temperature

Not available

Flammable Limits - Lower

Not available

Flammable Limits - Upper

Not available

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of storage and handling.

Incompatible Materials

Oxidising agents, strong bases and amines.

Hazardous Reactions

Exothermic reaction with amines or bases may occur.

Hazardous Polymerization

May occur if contaminated with amines and heated to high temperatures.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Not available

Inhalation

Inhalation of product vapours may cause irritation to the nose, throat and the upper respiratory tract.

Ingestion

Ingestion of this product may irritate the gastric tract causing nausea, vomiting and abdominal pain.

Skin

Irritating to skin. Skin contact may cause redness and itching. May cause sensitisation by skin contact.

Eye

Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

Chronic Effects

Prolonged or repeated skin contact may lead to allergic contact dermatitis and sensitisation in some individuals.

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

Mobility

Not available

Bioaccumulative Potential

Not available

Environ. Protection Do not discharge product into drains, sewers or waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information

Australia:

This material is classified as a Class 9 (Miscellaneous Dangerous Goods) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Dangerous goods of Class 9 (Miscellaneous Dangerous Goods) are incompatible in a placard load with any of the following:

- Class 1, Explosive
- Class 5.1, if the Class 9 substance is a fire risk substance

- Class 5.2, if the Class 9 substance is a fire risk substance

New Zealand:

This material is classified as a Class 9 - Miscellaneous Substance according to NZS 5433:2007 Transport of Dangerous Goods on Land.

Must not be loaded in the same freight container or on the same vehicle with:

- Class 1, Explosives

Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with:

(Note 3; Segregation devices may be used as to segregate dangerous goods of Class 9 when the nature of those dangerous goods requires them to be segregated from dangerous goods of);

- Class 3, Flammable liquids

- Class 4.1, Flammable solids

- Class 4.2, Spontaneously combustible substances

- Class 4.3, Dangerous when wet substances

- Class 5.1, Oxidising substances

- Class 5.2, Organic peroxides

- Class 6.1, Toxic substances

- Class 6.2, Infectious substances

- Class 8, Corrosive substances

And are incompatible with food and food packaging in any quantity.

U.N. Number

3082

Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (CONTAINS BISPHENOL A EPOXY RESINS)

DG Class

9

Hazchem Code

•3Z

Packing Group

III

IERG Number

47

15. REGULATORY INFORMATION

Regulatory Information

Australia:

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Poisons Schedule

S5

National and or International Regulatory Information

New Zealand:

Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted.

Group Standard:

Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2006

HSNO Approval Number

HSR002503

Hazard Category

Irritant, Dangerous for the environment, Sensitising

AICS (Australia)

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS

MSDS Reviewed: July 2010

Supersedes: August 2005

Contact Person/Point

Paul Verren For specialist advice in emergencies: Australia 1800 022 037; New Zealand 0800 154 666.

IMPORTANT ADVICE: This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Nuplex Industries (Aust) Pty Ltd. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

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End of MSDS
