

Safety Data Sheet – Epoxy Resin Part B

1. Identification**Product Name:** Epoxy Resin Part B**UN Number:** 3082**Recommended Use:** Catalyst curing agent for resin.**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Propylidynetrimethol, propoxylated, reaction products with ammonia), Marine Pollutant**NZ Supplier:****Name:** Artmore Ltd**Address:** 32D Andromeda Crescent
East Tamaki
Auckland 2013**Phone:** 09 273 4032**Email:** info@resinart.nz**Website:** www.resinart.nz**Emergency Contacts:** Emergency Services (Fire, Ambulance, Police) – Dial 111

National Poisons Information Centre – 0800 764 766 (0800 POISON)

Company Contact – 09 273 4032

2. Hazard Identification**Statement of Hazardous Nature:**

This preparation is classified as a health or environmental hazard according to the Hazardous Substances (Hazard Classification) Notice 2020.

Classified as a Dangerous Good according to NZS 5433.

Hazard Classification:

Acute oral toxicity category 4

Acute dermal toxicity category 4

Acute inhalation toxicity category 4

Serious eye damage category 1

Skin sensitisation category 1

Hazardous to the aquatic environment chronic category 2

Prevention Statements:

Wash hands thoroughly after handling.

Do not eat, drink, or smoke when using this product.

Wear protective gloves/protective clothing.

Avoid breathing fumes or vapours

Use only outdoors or in a well-ventilated area.

Wear eye protection/face protection.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves.

Avoid release to the environment.

Hazard Statements:**Danger**

Harmful if swallowed

Harmful in contact with skin

Harmful if inhaled

Causes serious eye damage

May cause an allergic skin reaction

Toxic to aquatic life with long lasting effect

3. Composition & Information on Ingredients

Ingredient	CAS Number	Concentration (%)
Polyoxy(methyl-1,2-ethanediyl), .alpha.-hydro-.omega.-(2-aminomethylethoxy)-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)	39423-51-3	50 – 70
Benzenemethanol	100-51-6	29 - 49
Benzoic acid, 4-(methylphenylamino)methyleneamino-, ethyl ester	57834-33-0	1

4. First Aid Measures

If medical advice is needed, have product container or label at hand.

New Zealand Poisons & Hazardous Chemicals National Information Centre
phone 0800 POISON – 0800 764 766

Skin: IF ON SKIN: Take off immediately all contaminated clothing and wash it before reuse. Wash skin contact area with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Ingestion: Rinse mouth. Immediately call a POISON CENTER or doctor if you feel unwell.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Advice to Doctor: Treat symptomatically.

5. Fire Fighting Measures

Flammability: Not flammable or combustible

Extinguishing media: Use appropriate for surrounding materials. Prevent contamination of drains or water ways.

Hazardous Combustion products: Carbon and nitrogen oxides may be formed.

Fire Fighting Instructions: Wear self-contained breathing apparatus and chemical splash suit.

6. Accidental Release Measures

Spills: Implement appropriate personal protection equipment (PPE), see Section 8. Absorb spill with sand or similar. Collect and place in sealable containers for disposal.

Prevent spill from entering drain or waterways. Contain spillage, collect, and place in suitable containers for reuse or disposal. If water is used to clean up residual material, ensure the water is recovered and neutralised before disposal. If product is spilt into a waterway notify the Regional Council.

7. Handling & Storage

Safe Handling

Before use carefully read the product label.
Use of safe work practices are recommended to avoid eye or skin contact.
Observe good personal hygiene, including washing hands before eating.
Ensure good ventilation/exhaustion during product use.
Prohibit eating, drinking and smoking in work areas.

Storage

Store in cool, dry area, removed from foodstuffs.
Ensure containers are labelled, protected from physical damage and sealed when not in use.

Avoid storing near strong acidic or basic substances, as spills could result in an exothermic reaction, or spontaneous polymerisation.

Certified Handler: Not required

8. Exposure Controls & Personal Protection

Exposure Standards

Workplace Exposure Standards (WES): No WES exposure indices have been set for this product or its constituents.

Biological Exposure Indices (BEI): No biological exposure indices have been set for this product.

Engineering Controls

Ventilation: Ensure adequate ventilation – optimise natural airflows.

Personal Protection (PPE)

Wear protective gloves/clothing and eye/face protection.
Contaminated work clothing should not be allowed out of the workplace

Eyes/Face: Splash resistant safety glasses with side shields or safety goggles (AS/NZS 1337)

Skin: Use butyl rubber or nitrile rubber gloves. The glove material must be impermeable and resistance for the product mixing and preparation (in accordance with AS/NZS 2161). Consult your glove supplier for specific product information.

Respiratory: Not required under the recommended storage and handling conditions. In case of inadequate ventilation, wear an approved respirator with corrosive or VOC filters (depending on the procedure). Respiratory protection should comply with AS/NZS 1716 and maintained with AS/NZS 1715.

9. Physical & Chemical Properties

Appearance: Clear Liquid

Odour: Odourless

Odour threshold: No Data Available

pH: No Data Available

Melting point: No Data Available

Boiling point: No Data Available

Flash point: No Data Available

Flammability: Not Flammable or Combustible

Lower Flammability Limit (LEL): No Data Available

Upper Flammability Limit (UEL): No Data Available

Vapour pressure: No Data Available

Vapour density: No Data Available

Relative density: No Data Available

Solubility (water): No Data Available

Partition coefficient: n-octanol/water: No Data Available

Autoignition temp: No Data Available

Decomposition temp: No Data Available

Viscosity (kinematic): No Data Available

10. Stability & Reactivity

Stability: Considered unreactive under normal storage and handling conditions. Atmospheric exposure may result in the catalyst reacting prematurely.

Reactivity: Unreactive under standard conditions.

Conditions to avoid: Avoid unintentional mixing with corrosive substances.

Incompatible Materials: explosive and oxidizing substances. Free radical initiators, peroxides, strongly alkaline and strongly acidic materials, or reactive metals. Contact with these could result in uncontrolled exothermic polymerization.

Hazardous decomposition products: Carbon and nitrogen oxides may be formed.

Hazardous Polymerisation: Will not occur by itself, but a mass of more than 500 grams of product plus an aliphatic amine will cause irreversible polymerization and significant heat build-up.

11. Toxicological Information

Health Effects / Symptoms of Exposure

Acute Exposure:

Skin: Causes skin irritation.

Eyes: Causes serious eye damage as a corrosive ocular substance.

Ingestion: Ingestion of large amounts will cause gastrointestinal discomfort.

Inhalation: Causes irritation to the mucous membranes and respiratory tract. Inhalation of the vapour may result in drunkenness, or headache, nausea, in-coordination, narcosis (sleepiness).

Aspiration Hazard: Not classified as an aspiration hazard.

Chronic Exposure:

Respiratory or Skin sensitisation: May cause an allergic skin reaction for susceptible individuals.

Mutagenicity: Not classified as a mutagen.

Carcinogenicity: Not classified as a carcinogenic substance.

Reproductive Toxicity: Not classified as having reproductive toxicity.

Specific Target Organ Toxicity (STOT): Not classified as a target organ or systemic toxin.

Toxicological Data – for specified ingredient

Polyoxy(methyl-1,2-ethanediyl), .alpha.-hydro-.omega.-(2-aminomethylethoxy)-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)	LD50 (Oral, Rat)	= 550 mg/kg bw
	LD50 (Dermal, Rat)	= 1,000 mg/kg bw
Benzenemethanol	LD50 (Oral, Rabbit)	= 1040 mg/kg bw
	LD50 (Dermal, Rabbit)	= 2,000 mg/kg bw
	LC50 (Inhalation, Rat)	= 8.8 mg/l (8-hour)

Data source: *Chemical Classification and Information Database, and the European (ECHA) Chemicals Agency Database*

12. Ecological Information

Persistence in environment: Not Determined
Biodegradability in water: Not Biodegradable

Mobility: Not Determined

Ecotoxicological Data

Polyoxy(methyl-1,2-ethanediyl), .alpha.-hydro-.omega.-(2- aminomethylethoxy)-, ether with 2- ethyl-2-(hydroxymethyl)-1,3- propanediol (3:1)	EC50 (aquatic invertebrates, 48-hr) EC0 (aquatic invertebrates, 48-hr) EC100 (aquatic invertebrates, 48-hr) EC50 (freshwater algae, 72hr) EC10 (freshwater algae, 72-hr)	= 13 mg/L = 6.25 mg/L = 25 mg/L = 4.4 mg/L = 100 µg/L
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source: *The European Chemicals Agency (ECHA) Database*

13. Disposal Considerations

Product is hazardous. Do not allow into drains, sewers or watercourses. Bulk or contaminated product may be disposed of through an approved hazardous waste contractor. Disposal waste contractors must comply with the New Zealand Hazardous Substances (Disposal) Notice 2017. Containers may only be recycled if clean and free of residue so as to be non-hazardous.

14. Transport Information

Classified as a Dangerous Good according to NZS 5433:2007

Proper Shipping Name: ENVIRONMENTALLY
HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

UN Number: 3082

DG Class: Class 9

Subsidiary Risk: None

Packing Group: 9 PG III

Marine Pollutant: Considered a pollutant in aquatic environments.

15. Regulatory Information

HSNO Approval

All ingredients listed in the NZIoC.

HSNO Group Standard: Polymers (Subsidiary Hazard) Group Standard 2020, HSR002644

16. Other Information

Abbreviations / Terminology:

AS/NZS	Joint Australian New Zealand Standard
AS/NZS 1337	Personal eye-protection
AS/NZS 1715	Selection, use and maintenance of respiratory protective equipment
AS/NZS 1716	Respiratory protective devices
AS/NZS 2161	Occupational protective gloves
CAS#	Chemical Abstract Service number (a unique identifier for chemicals)
EC50	Median effect concentration, being a statistically derived concentration of a substance that can be expected to cause an adverse reaction or reduction in growth/growth rate in 50 percent of organisms.
HSNO	(New Zealand) Hazardous Substances and New Organisms Act
LC50	Median lethal concentration, being a statistically derived concentration of a substance that can be expected to cause death in 50 percent of organisms.
LD50	Median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50 percent of animals.
NZIoC	New Zealand Inventory of Chemicals
NZS 5433	Transport of Dangerous Goods on Land

Prepared with reference to:

- *Hazardous Substances (Safety Data Sheets) Notice 2017* published by Environmental Protection Authority, New Zealand.

Current Version: 29 November 2022

Revision Information: GHS-7 Criteria, Environmental Hazards, and Group Standard Allocation.

SDS may be revised from time to time, please ensure you have a current copy.

This revision: 29 November 2022

Previous revision dated: None.

Disclaimer:

This safety data sheet attempts to describe as accurately as possible the potential exposures associated with normal use of the product described herein. Health and safety precautions in the data sheet may not be adequate for all individuals and/or situations. Users have the responsibility to evaluate and use this product safely and to comply with all applicable laws and regulations.

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