

Safety Data Sheet



Hazardous, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **EPIC EPOXY 100 PART B**

Synonyms

EPIC EPOXY 100 PT "B" 1.6LT SUPPLY WITH 2.T PT "A"
EPIC EPOXY 100 PT B 8LT SUPPLY WITH 12L PT" A"

Product Code

CSEP100PTB1.3
CSEP100PTB05

Recommended use: 2PK CLEAR SURFACE COATING

Supplier: Nutech Paint Pty Ltd

ABN: 94 242 116 396

Street Address: 4 Keppler Circuit
Seaford VIC 3198
Australia

Telephone: 03 9770-3000

Facsimile: 03 9775-1680

Emergency Telephone number: 03 9770-3000 (7:45 am-4:30 pm; Mon-Fri, AEST)

2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia.



Signal Word

Danger

Hazard Classifications

Acute Toxicity - Inhalation - Category 4

Skin Corrosion/Irritation - Category 1B

Serious Eye Damage/Irritation - Category 1

Sensitisation - Skin - Category 1

Chronic Hazard to the Aquatic Environment - Category 3

Hazard Statements

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.

Prevention Precautionary Statements

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe dust, fume, gas, mist, vapours or spray.

P261 Avoid breathing dust, fume, gas, mist, vapours or spray..

P264 Wash hands, face and all exposed skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

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P273 Avoid release to the environment.
P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.

Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.
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.

Storage Precautionary Statement

P405 Store locked up.

Disposal Precautionary Statement

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

Poison Schedule: S5. Caution

DANGEROUS GOOD CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Dangerous Goods Class: 8

3. COMPOSITION INFORMATION

| CHEMICAL ENTITY | CAS NO | PROPORTION |
|--|-----------|------------|
| Benzyl alcohol | 100-51-6 | 30 – 60 % |
| Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- | 2855-13-2 | 10 – 30 % |
| Ingredients determined to be Non-Hazardous | | Balance |

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure, avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing becomes laboured and patient becomes cyanotic, ensure airways are clear and have a qualified person give oxygen through a facemask. Seek IMMEDIATE medical attention

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Wash contaminated clothing before re-use. If irritation occurs seek medical advice.

Eye contact: If contact with the eye(s) occurs, wash with running water holding eye(s) open. Take care not to rinse contaminated water into non-affected eye. In all cases of eye contamination it is a sensible idea to seek medical advice.

Ingestion: If swallowed do not induce vomiting. Rinse the mouth out with water and give a glass of water. Do not

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give anything to an unconscious person and seek medical attention immediately

Notes to physician: Treat symptomatically. Effects may be delayed. Can cause corneal burns. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code: 2X

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Combustible material.

Fire fighting further advice: On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal. Isolate area. Recover free liquid. Absorb in dry inert material and place in a sealable container and label accordingly. Avoid breathing vapours. Adequate ventilation or the use of breathing apparatus may be needed. Local authorities will need to be advised if spill is of a large enough volume

LARGE SPILLS

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services. Isolate area. Recover free liquid. Absorb in dry inert material and place in a sealable container and label accordingly. Avoid breathing vapours. Adequate ventilation or the use of breathing apparatus may be needed. Local authorities will need to be advised if spill is of a large enough volume

Dangerous Goods – Initial Emergency Response Guide No: 36

7. HANDLING AND STORAGE

Handling: Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Keep out of the reach of Children. Avoid contact with eyes or mouth and avoid repeated prolonged contact with skin. Observe good hygiene practices after use of product.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks. Store in a cool dry place out of direct sunlight in a well ventilated area, away from ignition sources and not stored near oxidising materials. Containers should be sealed when not in use and should be checked on a regular basis for signs of damage or leaks.

This material is classified as a Class 8 Corrosive as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

This material is a Scheduled Poison Schedule 5 (Caution) and must be stored, maintained and used in

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accordance with the relevant regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits: No value assigned for this specific material by Safe Work Australia.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

National occupational exposure limits: Natural ventilation should be adequate under normal use conditions..

Personal Protection Equipment: SAFETY SHOES, OVERALLS, GLOVES, SAFETY GLASSES, RESPIRATOR.

Wear safety shoes, overalls, gloves, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures: Practice strict hygiene – wash hands before breaks and after finishing.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------------|-----------------------------|
| Base Units: | Litres |
| Form: | Liquid |
| Colour: | Colourless to Slight Yellow |
| Odour: | Irritating amine odour |
| Solubility: | Insoluble in Water |
| Solubility in water: | < 0.1 g/l |
| Specific Gravity (20 °C): | 1.03 |
| Vapour Pressure (20 °C): | < 10.34 mmHg |
| Flash Point (°C): | 96 |
| Boiling Point/Range (°C): | 205 |
| pH: | 9 |
| Total VOC (g/Litre): | 0 |

(Typical values only - consult specification sheet)
N Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal use conditions

Conditions to avoid: Avoid excessive heat, direct sunlight, and moisture, freezing and static charges

Incompatible materials: Acids, peroxides, oxidising agents, zinc, tin, aluminium, Sodium or Calcium Hypochlorite.

Hazardous decomposition products: Nitrogen, Oxides of Carbon and Nitrogen. Hydrogen Cyanide gas can be generated occasionally

Hazardous reactions: Violent reaction with acids and hydroxyl compounds leading to large heat build-up and possible splashing or spattering of hot liquid.

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11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Harmful if inhaled. Corrosive Material. May cause burns. Irritation to the nose, throat and lungs also may occur. A delayed fluid build in the lungs may occur due to inhalation of product.

Skin contact: Corrosive Material. Causes burns to skin and produce skin irritations. If exposure is long enough deep skin burns can occur. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Ingestion: Corrosive to the gastrointestinal tract. Capable of causing burns with ulceration and possible third degree burns also.

Eye contact: Corrosive Material. Causes burns to eyes, tissue destruction, permanent damage to cornea with a risk of blindness.

Acute toxicity

Inhalation: This material has been classified as a Category 4 Hazard. Acute toxicity estimate (based on ingredients): 10 - 20 mg/L

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Corrosion/Irritancy: Eye: this material has been classified as a Category 1 Hazard (irreversible effects to eyes). Skin: this material has been classified as a Category 1B Hazard (irreversible effects to skin).

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as a Category 1 Hazard (skin sensitiser).

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L LC50 (Benzyl Alcohol, 96hr) Bluegill Sunfish 10 mg/L, Fathead minnow 460 mg/LIC50 (Benzyl Alcohol, 72 hr) Algae 700 mg/L

Long-term aquatic hazard: This material has been classified as a Category Chronic 3 Hazard. Non-rapidly or

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rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): 10 - 100 mg/L, where the substance is not rapidly degradable and/or $BCF \geq 500$ and/or $\log K_{ow} \geq 4$.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Any disposal of material should be done in accordance with the local authorities

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".



UN No: 2289
Dangerous Goods Class: 8
Packing Group: III
Hazchem Code: 2X
Emergency Response Guide No: 36

Proper Shipping Name: ISOPHORONEDIAMINE (ISOPHORONE DIAMINE)

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity. Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids. Note 2: Concentrated strong acids are incompatible with concentrated strong alkalis. Note 3: Acids are incompatible with Dangerous Goods of Class 6 which are cyanides. Exemptions may apply.

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.



UN No: 2289
Dangerous Goods Class: 8
Packing Group: III

Proper Shipping Name: ISOPHORONEDIAMINE (ISOPHORONE DIAMINE)

AIR TRANSPORT

Product Name: EPIC EPOXY 100 PART B

Reference No: NUTP0032

Issued: 2016-08-01

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Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



UN No: 2289
Dangerous Goods Class: 8
Packing Group: III

Proper Shipping Name: ISOPHORONEDIAMINE (ISOPHORONE DIAMINE)

15. REGULATORY INFORMATION

This material/constituent(s) is covered by the following requirements:

- The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth).
- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).
- All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

HSNO Group Standard: HSR002658 - Surface Coatings and Colourants (Corrosive) Group Standard 2006

16. OTHER INFORMATION

Reason for issue: First issue

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.