

SAFETY DATA SHEET

Durcupan Epoxy

1. IDENTIFICATION

Product Identifiers

Product Name: Durcupan water soluble embedding kit.
Other Names: Durcupan Epoxy.
Product No.(s): C665
CAS No.: 25068-38-6

Recommended use of the chemical and restriction on use:
 Laboratory Chemicals.

Company Details:

ProSciTech Pty Ltd
 11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)
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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Chronic Aquatic Toxicity Category 2

Label Elements:



Health Hazards
 Environmental

Signal Word: 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(s):

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
 P264: Wash thoroughly after handling.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P280: Wear face protection. Specify type of equipment.
 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 so. Continue rinsing.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P362: Take off contaminated clothing and wash before reuse.
 P363: Wash contaminated clothing before reuse.
 P501: Dispose of contents/container in accordance with local, regional, national regulations refer to Section 13.

Primary route(s) of entry:

Inhalation, ingestion, skin and/or eye contact.

Human Health

Inhalation: No information available.

Ingestion: No information available.

Eyes: Irritating effect.

Skin: Irritating to skin and mucous membranes. Sensitisation through skin contact.

Environment: Water hazard class 2 (German regulation). Self assessment: hazardous for water. Poisonous for fish and plankton in water bodies, toxic for aquatic organisms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Cas No.	Content	Classification
Bisphenol-A-(epichlorhydrin), reaction product [Epoxy resin (number average molecular weight=700)	25068-38-6	50-100%	Chronic Aquatic Toxicity Category 2

4. FIRST AID MEASURES

Ingestion

If irritation or symptoms of discomfort occur – seek immediate medical help.

Inhalation:

Supply fresh air and call for doctor. In case of unconsciousness place patient in side position for transportation.

Skin Contact:

Remove contaminated clothing and immediately wash with water and soap and rinse thoroughly.

Eye Contact:

Rinse open eye for several minutes under running water. If symptoms persist, consult a doctor.

Other Information:

No further relevant information available.

5. FIREFIGHTING MEASURES

Suitable extinguishing equipment

ALL FIRES:

Use fire extinguishing methods suitable to surrounding conditions.

HAZCHEM: 4R

Special protective equipment and precautions for fire fighters:

Use appropriate protective equipment for the surrounding conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Not required.

Environmental precautions:

DO NOT allow to enter drains/water systems/surface/ground water.

Methods and materials for containment and clean up:

Bund the area and use a liquid binding material – sand, diatomite, acid binders, universal binders, sawdust etc. To absorb the spill. Place the material into a suitable sealable container for disposal.

Other information:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

7. HANDLING AND STORAGE

Precautions for safe handling:

Wear appropriate protective equipment while handling – see section 8.

Wash hands before breaks and at the end of work. Keep away from foodstuffs, beverages and feed. Avoid contact with eyes and skin.

Conditions for safe storage:

Keep tightly sealed in a cool dry area away from incompatible materials.

Other information:

Ensure adequate ventilation in the work and storage areas to prevent formation of aerosols.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards

Material	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Bisphenol-A-(epichlorhydrin), reaction product [Epoxy resin (number average molecular weight=700)]	-	-	-	-

Engineering controls:

Use a local exhaust system.

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Personal protective equipment:

Eye and face protection:

Tightly sealed goggles are recommended.

Skin protection:

Wear gloves impermeable and resistant to the end product/preparation.

Body Protection:

Wear clothing suitable to prevent skin contact. Enclosed shoes, long pants, long-sleeved shirt, laboratory coat or apron.

Respiratory protection:

None suggested.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance:	Light yellow, viscous liquid.
Odour:	Characteristic.
pH:	7 at 20°C.
Vapour pressure:	1.14 g/cm ³ at 20°C.
Vapour density:	Not determined.
Boiling point:	>200°C.
Melting point:	Undetermined.
Solubility:	Not miscible or difficult to mix.
Specific gravity or density:	Not determined.
Flash Point:	192°C.
Flammable (explosive) limits:	Not determined.
Ignition temperature:	Not determined.

10. STABILITY AND REACTIVITY

Reactivity:

Chemical stability:

Stable under normal conditions of use.

Possibility of hazardous reactions:

No dangerous reactions known. No dangerous decomposition products known.

Conditions to avoid:

No further relevant information available.

Incompatible materials:

No further relevant information available.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute effects:

Eye contact:

Irritating effect.

Skin contact:

Irritant to skin and mucous membranes. Sensitisation possible through skin contact.

Ingestion

No information available.

Inhalation

No information available.

Chronic effects

Sensitization possible through skin contact.

Toxicity and irritation

Water hazard class 2 (German regulation). Self assessment: hazardous for water. Poisonous for fish and plankton in water bodies.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Water hazard class 2 (Assessment by list): hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms.

Toxic for fish.

Persistence and degradability:

No further relevant information available.

Bioaccumulative potential:

No further relevant information available.

Other adverse effects:

No further relevant information available.

13. DISPOSAL CONSIDERATIONS

General information:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Dispose in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION



ADG label required:

HAZCHEM: 4R

UN number:

UN3082

Proper shipping name:

Environmentally hazardous substance, liquid, N.O.S. Bisphenol-A-(epichlorhydrin)

Transport hazard class:

9

Packing group:

PG III

Environmental hazard:

Yes. Toxic to fish and other aquatic organisms.

Special precautions for users:

Not available.

Additional information:

Not available.

15. REGULATORY INFORMATION

Poisons Schedule Number: No data available to allocate a Poison Schedule Number.

16. OTHER INFORMATION

SDS preparation date: 10 April 2013

Comments:

List of Publications referenced when creating this SDS;

- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

This Safety Data Sheet (SDS) has been prepared in compliance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice 2011. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this SDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Safety Data Sheets as new information becomes available. Copies may be made for non-profit use. ... End of SDS ...