

Safety Data Sheet according to WHS Regulations

Printing Date: 23.09.2022

Version Number: 1.0

Revision Date: 23.09.2022

1 Identification

Product identifier:Trade name: ***EPOCOTE F100W HD HARDENER GREY*****Relevant identified uses of the substance or mixture, and uses advised against:**

Relevant identified uses of the substance or mixture: Waterproofing.

Identified uses advised against: No further relevant information available.

Details of the supplier of the safety data sheet:**Manufacturer/supplier:**GCP Australia Pty. Ltd.
14 Colebard Street West
Archerfield, Queensland 4108
Australia**Further information obtainable from:**Tel: 1800 334 444
Fax: +61 7-3275-7801
APMSDS@gcpat.com**Emergency telephone number:** After hours - Tel. No. 1800 039 008

2 Hazard(s) Identification

Classification of the substance or mixture:Skin Irrit. 2 H315 Causes skin irritation.
Eye Irritation 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.**Label elements:****GHS label elements** The product is classified and labelled according to the Globally Harmonized System (GHS).**Hazard pictograms**

GHS07

Signal word Warning**Hazard-determining components of labelling:**Epoxy resin
1,4-bis(2,3-epoxypropoxy)butane**Hazard statements**Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.**Precautionary statements**Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves / eye protection / face protection.
IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

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Take off contaminated clothing and wash it before reuse.

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

Information concerning particular hazards for human and environment:

Description of Classification: Classified as hazardous according to the criteria of Safe Work Australia.

Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

3 Composition and Information on Ingredients

Chemical characterization: Mixture:

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components:

25085-99-8	Epoxy resin	50-<100%
	Skin Irrit. 2, H315; Eye Irritation 2A, H319; Skin Sens. 1, H317	
2425-79-8	1,4-bis(2,3-epoxypropoxy)butane	10-<20%
	Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irritation 2A, H319; Skin Sens. 1, H317	

Additional information:

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication 'List of Designated Hazardous Substances' or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication 'Approved Criteria for Classifying Hazardous Substances'.

4 First Aid Measures

Description of first aid measures:

General information: Get medical advice/attention if you feel unwell.

After inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

After skin contact: Wash with plenty of soap and water.

After eye contact: Rinse cautiously with water for several minutes.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

Information for doctor:

Most important symptoms and effects, both acute and delayed:

May cause sensitisation by skin contact.

Irritating to eyes.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire Fighting Measures

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray.

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters:

Protective equipment: Wear self-contained respiratory protective device.

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Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up: Send for recovery or disposal in suitable receptacles.

Reference to other sections

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

HANDLING

Precautions for safe handling:

Prevent formation of aerosols.

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

Store in a well-ventilated place. Keep container tightly closed.

Keep only in original container.

Use only outdoors or in a well-ventilated area.

Information about fire - and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities:

STORAGE

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions:

Keep container tightly sealed.

Protect from frost.

Store in a dry place.

Keep cool.

Specific end use(s): No further relevant information available.

8 Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters:

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: Based on the lists valid at the date of SDS creation.

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Exposure controls:

PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands: Protective gloves.

Material of gloves: Rubber gloves.

Penetration time of glove material:

The exact breakthrough time has to be determined by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Safety glasses with side shield protection.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing and wash before reuse.

9 Physical and Chemical Properties

Information on basic physical and chemical properties:

GENERAL INFORMATION

Appearance:

Form:	Liquid.
Colour:	Grey.
Odour:	Characteristic.
Odour threshold:	Not determined.

pH-value (~): Not determined.

Change in conditions:-

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Not determined.
Flash point:	154 °C

Flammability (solid, gas): Not applicable.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Auto-ignition temperature: Not determined.

Explosive properties: Product does not present an explosion hazard.

EXPLOSION LIMITS

Lower:	Not determined.
Upper:	Not determined.

Vapour pressure: Not determined.

Density at 20 °C: 1.6 g/cm³

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in/Miscibility with:-

Water: Not miscible or difficult to mix.

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Partition coefficient: n-octanol/water: Not determined.

VISCOSITY at 20 °C 1,500 – 2,500 cps

Dynamic: Not determined.

Kinematic: Not determined.

Molecular weight Not determined.

Other information: No further relevant information available.

10 Stability and Reactivity

Reactivity:

Stable under normal conditions.

No further relevant information available.

Chemical stability:

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions

No dangerous reactions known.

No further relevant information available.

Conditions to avoid:

Avoid temperatures above 300°C (572°F). Potentially violent decomposition can occur above 350°C (662°F). Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can be rapid.

Incompatible materials:

Avoid contact with oxidizing materials.

Avoid contact with: Acids, Bases. Avoid unintended contact with epoxies.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

Additional information:

HAZARDOUS POLY MERISATION - Will not occur by itself. Masses of more than one pound (0.5 kg) of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.

11 Toxicological Information

Information on toxicological effects:

ACUTE TOXICITY

Primary irritant effect

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation Sensitisation possible through skin contact.

Other information :

The product was classified according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12 Ecological Information

Toxicity:

AQUATIC TOXICITY No further relevant information available.

Persistence and degradability: No further relevant information available.

BEHAVIOUR IN ENVIRONMENTAL SYSTEMS

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

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ADDITIONAL ECOLOGICAL INFORMATION

General notes: Not known to be hazardous to water.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13 Disposal considerations

Waste treatment methods:

Recommendation:



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

Refer to State Land Waste Authority for disposal considerations.

UNCLEANED PACKAGING

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number
ADG, IMDG, IATA

UN3082

UN proper shipping name
ADG, IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (Epoxy resin)

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (Epoxy resin), MARINE POLLUTANT

Transport hazard class(es)

ADG, IMDG, IATA



Class
Label

9 Miscellaneous dangerous substances and articles.
9

Packing group
ADG, IMDG, IATA

III

Environmental hazards:

Product contains environmentally hazardous substances: Epoxy resin

Marine pollutant:

Symbol (fish and tree)

Special marking (ADG):

Symbol (fish and tree)

Special marking (IATA):

Symbol (fish and tree)

Special precautions for user:

Warning: Miscellaneous dangerous substances and articles.

Hazard identification number (Kemler code):

90

EMS Number:

F-A,S-F

Stowage Category

A

**Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code:**

Not Regulated

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Transport/Additional information:

ADG
Limited quantities (LQ) 5L
Excepted quantities (EQ) Code: E1
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 1000 ml

Transport category 3
Tunnel restriction code E
Remarks: ≤5L, ADR Special Provision 375.

IMDG
Limited quantities (LQ) 5L
Excepted quantities (EQ) Code: E1
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 1000 ml

Remarks: ≤5L, IMDG 2.10.2.7
IATA
Remarks: ≤5L, IATA Special Provision 197.

UN "Model Regulation": UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN), 9, III

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

See Section 2 for hazard identification.

Australia: Priority Existing Chemicals

None of the ingredients is listed.

National regulations:

Other regulations, limitations and prohibitive regulations: All ingredients are listed on AICS.

Registered in the international inventory lists: AICS (Australia)

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.

Department issuing SDS:

EHS Department,
 Asia Pacific Region
 SCIP, Canlubang, Calamba City, Laguna
 Philippines 4028
 Tel: +63 (02) 8236-6820 to 24

Contact:

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Number of revision times and the latest revision date: 1.0 / 23.09.2022