

## Safety Data Sheet

### EPORIP comp.A

Safety Data Sheet dated: 1/14/2019 - version 1

Date of first edition: 1/14/2019

## 1. Identification

### GHS Product identifier

Mixture identification:

Trade name: EPORIP comp.A

Trade code: 901521

### Recommended use of the chemical and restrictions on use

Recommended use: Epoxy adhesive

Uses advised against: Data not available

### Supplier's details

Company: MAPEI AUSTRALIA Pty Ltd

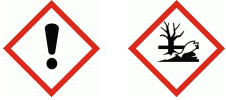
180 Viking Drive Wacol QLD 4076 Australia

### Emergency phone number

Australian Poisons Information Centre 24 Hour Service 13 11 26

Police or Fire Brigade 000

## 2. Hazard identification



### Classification of the Hazardous chemical

Skin Irrit. 2	Causes skin irritation.
Eye Irrit. 2A	Causes serious eye irritation.
Skin Sens. 1A	May cause an allergic skin reaction.
Aquatic Chronic 2	Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

### GHS label elements, including precautionary statements

#### Pictograms and Signal Words



Warning

#### Hazard statements:

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 statements:

P261	Avoid breathing mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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. Continue rinsing.
P321	Specific treatment (see supplementary instructions on this label)
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.
P391	Collect spillage.

**Other hazards which do not result in a classification**

Other Hazards: No other hazards

**3. Composition/information on ingredients**

**Substances**

no data available

**Mixtures**

**Hazardous components within the meaning of the "Australian Work Health and Safety (WHS)" regulation and related classification:**

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
>=25 - <50 %		CAS:25068-38-6 EC:500-033-5 Index:603-074-00-8	Eye Irrit. 2A, H319; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 2, H411	01-2119456619-26-xxxx
>=10 - <20 %	DO NOT USE - 1,6-hexanediol diglycidyl ether	CAS:16096-31-4 EC:240-260-4	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412	01-2119463471-41
>=5 - <10 %		CAS:9003-36-5 EC:500-006-8	Skin Irrit. 2, H315; Skin Sens. 1A, H317; Aquatic Chronic 2, H411	01-2119454392-40-XXXX

**4. First-aid measures**

**Description of necessary first-aid measures**

In case of skin contact:

- Immediately take off all contaminated clothing.
- Remove contaminated clothing immediately and dispose of safely.
- After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

- Remove casualty to fresh air and keep warm and at rest.

**Symptoms caused by exposure**

- Eye irritation
- Eye damages
- Skin Irritation
- Erythema

**Medical attention and special treatment**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**5. Fire-fighting measures**

**Suitable extinguishing media**

- None in particular.
- Water.
- Carbon dioxide (CO2).

**Specific hazards arising from the chemical**

- Do not inhale explosion and combustion gases.
- Burning produces heavy smoke.
- Hazardous combustion products: no data available
- Explosive properties: ==
- Oxidizing properties: no data available

**Special protective equipment and precautions for fire-fighters**

- Use suitable breathing apparatus.
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Move undamaged containers from immediate hazard area if it can be done safely.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

### Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

### Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

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## 7. Handling and storage

### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

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## 8. Exposure controls/personal protection

### Control parameters – exposure standards, biological monitoring

#### Predicted No Effect Concentration (PNEC) values

Component	CAS-No.	PNEC Limit	Exposure Route	Exposure Frequency	Remark
DO NOT USE - 1,6-hexanediol diglycidyl ether	25068-38-6	0,006 mg/l	Fresh Water		
		0,0006 mg/l	Marine water		
		0,0627 mg/kg	Freshwater sediments		
		0,00627 mg/kg	Marine water sediments		
	16096-31-4	0,0115 mg/l	Fresh Water		
		0,00115 mg/l	Marine water		
		0,115 mg/l	Intermittent release		
		0,283 mg/kg	Freshwater sediments		
9003-36-5	0,0283 mg/kg	Marine water sediments			
	0,223 mg/kg	Soil			
	10 mg/l	Microorganisms in sewage treatments			
	0,003 mg/l	Fresh Water			
		0,294 mg/kg	Freshwater sediments		

0,0003 mg/l Marine water  
 0,0294 mg/kg Marine water sediments  
 0,237 mg/kg Soil

**Derived No Effect Level. (DNEL)**

Component	CAS-No.	Worker Industrial	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark		
DO NOT USE - 1,6-hexanediol diglycidyl ether	25068-38-6	8,3 mg/kg			Human Dermal	Short Term, systemic effects			
		12,25 mg/m3			Human Inhalation	Short Term, systemic effects			
		8,3 mg/kg			Human Dermal	Long Term, systemic effects			
		12,25 mg/m3			Human Inhalation	Long Term, systemic effects			
				3,571 mg/kg		Human Dermal	Short Term, systemic effects		
				0,75 mg/kg		Human Oral	Short Term, systemic effects		
				3,571 mg/kg		Human Dermal	Long Term, systemic effects		
				0,75 mg/kg		Human Oral	Long Term, systemic effects		
	16096-31-4				1,7 mg/kg	Human Dermal	Short Term, systemic effects		
			4,9 mg/m3			Human Inhalation	Short Term, systemic effects		
					2,9 mg/m3		Human Inhalation	Short Term, systemic effects	
			0,0226 mg/cm2			Human Dermal	Short Term, local effects		
					0,0136 mg/cm2		Human Dermal	Short Term, local effects	
			2,8 mg/kg		1,7 mg/kg		Human Dermal	Long Term, systemic effects	
		4,9 mg/m3			Human Inhalation	Long Term, systemic effects			
				2,9 mg/m3	Human Inhalation	Long Term, systemic effects			
		0,0226 mg/cm2			Human Dermal	Long Term, local effects			
				0,83 mg/kg	Human Oral	Short Term, systemic effects			

**Appropriate engineering controls**

no data available

**Individual protection measures, such as personal protective equipment (PPE)**

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:  
no data available

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## 9. Physical and chemical properties

Color Grey  
Appearance: liquid  
Odour: Characteristic  
Odour threshold: no data available  
pH: no data available  
Melting point / freezing point: no data available  
Initial boiling point and boiling range: no data available  
Flash point: no data available  
Evaporation rate: no data available  
Flammability (Solid, Gas): no data available  
Upper/lower flammability or explosive limits: no data available  
Vapour pressure: 0.01  
Vapour density: no data available  
Relative density: 1.60 g/cm<sup>3</sup>  
Solubility in water: Insoluble  
Solubility in oil: Soluble  
Partition coefficient (n-octanol/water): no data available  
Auto-ignition temperature: no data available  
Decomposition temperature: no data available  
Viscosity: 20,000.00 cPs  
Specific heat value: no data available  
Saturated vapour concentration: no data available  
Release of invisible flammable vapours and gases: no data available  
Particle size: no data available  
Particle size distribution: no data available  
Shape and aspect ratio: no data available  
Crystallinity: no data available  
Dustiness: no data available  
Specific surface area: no data available  
Degree of aggregation or agglomeration, and dispersibility: no data available  
Biodurability or biopersistence: no data available  
Surface coating or chemistry: no data available  
VOC % (Volatile Organic Compound) : 9,1 (A+B) (Rule 1168) g/l

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## 10. Stability and reactivity

### Reactivity

Stable under normal conditions

### Chemical stability

no data available

### Possibility of hazardous reactions

None.

### Conditions to avoid

Stable under normal conditions.

### Incompatible materials

None in particular.

### Hazardous decomposition products

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

#### Toxicological information on main components of the mixture:

a) acute toxicity	LD50 Oral Rat > 15000 mg/kg
	LD50 Skin Rabbit > 23000 mg/kg

i) STOT-repeated exposure      NOAEL Oral Rat = 50 mg/kg  
 NOAEL Skin Rat = 100 mg/kg

DO NOT USE - 1,6-hexanediol diglycidyl ether

a) acute toxicity      LC50 Oral Rat = 2900 mg/l

a) acute toxicity      LD50 Oral Rat > 10000 mg/kg  
 LD50 Skin Rat > 2000 mg/kg

i) STOT-repeated exposure      NOAEL Oral = 250 mg/kg

**If not differently specified, the information required in the regulation and listed below must be considered as N.A.**

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

## 12. Ecological information

### Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

Toxic to aquatic life with long lasting effects.

### List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
	CAS: 25068-38-6 - EINECS: 500-033-5 - INDEX: 603-074-00-8	a) Aquatic acute toxicity : LC50 Fish > 2 mg/L 96
		a) Aquatic acute toxicity : EC50 Daphnia > 1,8 mg/L 48
		a) Aquatic acute toxicity : LC50 Algae > 11 mg/L 72
		a) Aquatic acute toxicity : LC50 Daphnia = 1,3 mg/L 96
		b) Aquatic chronic toxicity : NOEC Daphnia = 0,3 mg/L
DO NOT USE - 1,6-hexanediol diglycidyl ether	CAS: 16096-31-4 - EINECS: 240-260-4	a) Aquatic acute toxicity : LC50 Fish = 30 mg/L 96
		a) Aquatic acute toxicity : EC50 Daphnia = 47 mg/L 48
		a) Aquatic acute toxicity : EC50 Algae = 23,1 mg/L 48
	CAS: 9003-36-5 - EINECS: 500-006-8	a) Aquatic acute toxicity : EC50 Fish = 2,54 mg/L 96
		a) Aquatic acute toxicity : EC50 Daphnia = 2,55 mg/L 48

### Persistence and degradability

no data available

### Bioaccumulative potential

no data available

### Mobility in soil

no data available

### Other adverse effects

no data available

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### 13. Disposal considerations

#### Disposal methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

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### 14. Transport information

#### UN number

3082

#### UN proper shipping name

ADG-Shipping Name: N.A.

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( - )

IATA-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( - )

IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( - )

#### Transport hazard class(es)

ADG-Class: -

ADR-Class: 9

IATA-Class: 9

IMDG-Class: 9

#### Packing group, if applicable

ADG-Packing Group: III

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

#### Environmental hazards

ADG-Environmental Pollutant: Yes

Marine pollutant: Yes

no data available

#### Special precautions for user

no data available

#### Additional Information

no data available

#### HazChem Code/Emergency Action code

no data available

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### 15. Regulatory information

#### Safety, health and environmental regulations specific for the product in question

This Safety Data Sheet has been prepared according to the Australian Work Health and Safety (WHS) act and the Code of Practice on preparation of safety data sheets for Hazardous Chemicals.

AICS: all components are listed

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### 16. Other information

Code	Description
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.
H412	Harmful to aquatic life with long lasting effects.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ATE: Acute Toxicity Estimate  
ATEmix: Acute toxicity Estimate (Mixtures)  
BCF: Biological Concentration Factor  
BEI: Biological Exposure Index  
BOD: Biochemical Oxygen Demand  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
CAV: Poison Center  
CE: European Community  
CLP: Classification, Labeling, Packaging.  
CMR: Carcinogenic, Mutagenic and Reprotoxic  
COD: Chemical Oxygen Demand  
COV: Volatile Organic Compound  
CSA: Chemical Safety Assessment  
CSR: Chemical Safety Report  
DMEL: Derived Minimal Effect Level  
DNEL: Derived No Effect Level.  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
ES: Exposure Scenario  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
IC50: half maximal inhibitory concentration  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KSt: Explosion coefficient.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration.  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PNEC: Predicted No Effect Concentration.  
PSG: Passengers  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
vPvB: Very Persistent, Very Bioaccumulative.  
WGK: German Water Hazard Class.