

Safety Data Sheet

according to WHS Regulations

Printing date 12.07.2018

Version number 70

Revision: 12.07.2018

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification


- **Product identifier**
- **Trade name** Okapox GF Komp. A
- **Relevant identified uses of the substance or mixture and uses advised against** *none*
- **Sector of Use** *SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)*
- **Application of the substance / the mixture** *Priming*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** *Polyflor Australia
101 Prosperity Way,
Dandenong South VIC 3175*
- Orders & Enquiries T | 1800 777 425*
- E | technical@polyflor.com.au*
- **Informing department:** *Laboratory, departments of environmental protection and labor protection*
- **Emergency telephone number:** *Poison Information Center Freiburg Tel.: +49(0)761/ 19240
(24h German and English)*

2 Hazard(s) Identification

- **Classification of the substance or mixture**



Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 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 Harmonised System (GHS).*
- **Hazard pictograms**

GHS07
- **Signal word** *Warning*
- **Hazard-determining components of labelling:** *reaction product: bisphenol-A-(epichlorhydrin) epoxy resin
(number average molecular weight = 700)
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.
phenol, polymer with formaldehyde, glycidyl ether*

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- **Hazard statements** Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
- **Precautionary statements** Keep out of reach of children.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/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.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards** People who are allergic to epoxy resins, should the use of the product to avoid.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**

- **Dangerous components:**

CAS: 25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)	50-100%
	⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	
CAS: 68609-97-2	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	10-<25%
	⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 28064-14-4	phenol, polymer with formaldehyde, glycidyl ether	10-<25%
	⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

- **Description of first aid measures**
- **General information** Immediately remove contaminated clothing.
- **After inhalation** Provide plenty of fresh air.
In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact** Remove contaminated clothing immediately and clean the skin with soap and water.
Instantly wash with water and soap and rinse thoroughly.

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|--|---|
| <ul style="list-style-type: none"> · After eye contact · After swallowing · Information for doctor · Most important symptoms and effects, both acute and delayed · Indication of any immediate medical attention and special treatment needed | <p>Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.</p> <p>Rinse out the mouth immediately and consume large amounts of water, prevent vomiting, seek medical advice.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> |
|--|---|

5 Fire Fighting Measures

- Extinguishing media
- Suitable extinguishing agents **Use fire fighting measures that suit the environment.**
- Special hazards arising from the substance or mixture
 - Can be released in case of fire**
 - Carbon monoxide (CO)**
 - Sulphur dioxide (SO₂)**
- Advice for firefighters
- Protective equipment: **Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.**

6 Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures
- Environmental precautions:
- Methods and material for containment and cleaning up:
 - Ensure adequate ventilation**
 - No special measures required.**
 - Take-up with liquid binding material (sand, diatomaceous earth, acid binding agent, universal binding agent).**
 - Dispose of contaminated material as waste according to item 13.**
- 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 information on disposal.**

7 Handling and Storage

- Handling
- Precautions for safe handling
 - Do not leave the container standing open.**
 - Ensure good ventilation/exhaustion at the workplace.**
 - Prevent formation of aerosols.**

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- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with critical values that require monitoring at the workplace:**

· DNELs

CAS: 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

Oral	Long-term value	0.75 mg/kg/d (Worker)
	Short-term value	0.75 mg/kg/d (Worker)
Dermal	Long-term value	3.6 mg/kg/d (Worker) 8.3 mg/kg/d (Consumer)
	Short-term value	3.6 mg/kg/d (Worker) 8.3 mg/kg/d (Consumer)
Inhalative	Long-term value	0.75 mg/m ³ (Worker) 12.3 mg/m ³ (Consumer)
	Short-term value	0.75 mg/m ³ (Worker) 12.3 mg/m ³ (Consumer)

CAS: 28064-14-4 phenol, polymer with formaldehyde, glycidyl ether

Inhalative	Short-term value	12.3 mg/m ³ (Consumer)
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· PNECs

CAS: 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

Freshwater	0.006 mg/l (-)
Salt water	0.0006 mg/l (-)
Freshwater Sediment	0.1 mg/kg (-)
Salt Water Sediment	0.01 mg/l (-)
Ground	0.15 mg/kg (-)
Sewage Planbt	10 mg/l (-)

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- | | |
|--|---|
| <ul style="list-style-type: none"> · Additional information: · Exposure controls · Personal protective equipment · General protective and hygienic measures · Breathing equipment: · Protection of hands: · Material of gloves · Penetration time of glove material · Eye protection: · Body protection: | <p><i>The lists that were valid during the compilation were used as basis.</i></p> <p><i>Do not eat, drink or smoke while working.
 Keep away from foodstuffs, beverages and food.
 Instantly remove any soiled and impregnated garments.
 Wash hands during breaks and at the end of the work.
 Avoid contact with the eyes and skin.</i></p> <p><i>In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.</i></p> <p><i>Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 Protective gloves.
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation</i></p> <p><i>The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</i></p> <p><i>The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.</i></p> <p><i>Safety glasses recommended during refilling.</i></p> <p><i>Protective work clothing.</i></p> |
|--|---|

9 Physical and Chemical Properties

- | | |
|--|----------------------|
| · Information on basic physical and chemical properties | |
| · Appearance: | |
| Form: | Fluid |
| Colour: | Yellow |
| · Smell: | Weak, characteristic |
| · Odour threshold: | Not determined. |
| · pH-value: Not determined. | |
| · Change in condition | |
| Melting point/freezing point: | not used |
| Initial boiling point and boiling range: | >200 °C |

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· Flash point:	> 100 °C
· Inflammability (solid, gaseous)	Not applicable.
· Decomposition temperature:	n.d.
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
· Steam pressure:	Not determined.
· Density at 20 °C	1.13 g/cm³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible, or only slightly miscible
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
dynamic at 20 °C:	800 mPas
kinematic:	Not determined.
· Other information	The physical data are average values.

10 Stability and Reactivity

· Reactivity	No further relevant information available.
· Possibility of hazardous reactions	No dangerous reactions known
· Conditions to avoid	No further relevant information available.
· Incompatible materials:	No further relevant information available.
· Hazardous decomposition products:	None known.

11 Toxicological Information

· Information on toxicological effects	
· Acute toxicity	
· LD/LC50 values that are relevant for classification:	
CAS: 68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	
Oral LD50 >10,000 mg/kg (rat)	
· Primary irritant effect:	
· Skin corrosion/irritation	Irritant for skin and mucous membranes.
· Serious eye damage/irritation	Irritant effect.

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- Respiratory or skin sensitisation
- Additional toxicological information:

Sensitization possible by skin contact.

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

12 Ecological Information

- Toxicity

- Aquatic toxicity:

CAS: 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

LC 50 (96h) 3.6 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

EC50 (48h) 2.8 mg/l ((Wasserfloh (Daphnia magna)))

<10 mg/l (Desmodesmus subspicatus (Grünalge))

- 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.

- Additional ecological information:

- General notes:

Water hazard class 2 (Self-assessment): hazardous for water.
 Do not allow product to reach ground water, water bodies or sewage system.
 Danger to drinking water if even small quantities leak into soil.

- 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

Disposal according to official regulations

- Uncleaned packagings:

- Recommendation:

Disposal must be made according to official regulations.

14 Transport information

- UN-Number

- ADG, IMDG, IATA

UN3082

- UN proper shipping name

- ADG

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin

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· (number average molecular weight = 700), oxirane, mono[(C12-14-alkyloxy)methyl] derivs.)
 · **IMDG** **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700), oxirane, mono[(C12-14-alkyloxy)methyl] derivs.), MARINE POLLUTANT**
 · **IATA** **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700), oxirane, mono[(C12-14-alkyloxy)methyl] derivs.)**

 · **Transport hazard class(es)**

 · **ADG, IMDG, IATA**

 · **Class**

9 Miscellaneous dangerous substances and articles.

 · **Label**

9

 · **Packing group**

 · **ADG, IMDG, IATA**

III

 · **Environmental hazards:**

Product contains environmentally hazardous substances: reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

 · **Marine pollutant:**

No

 · **Special marking (ADG):**

Symbol (fish and tree)

 · **Special marking (IATA):**

Symbol (fish and tree)

Symbol (fish and tree)

 · **Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

 · **Kemler Number:**

90

 · **EMS Number:**

F-A,S-F

 · **Stowage Category**

A

 · **Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

 · **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

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· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Remarks:	Special Provision 375
· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT = 700), OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS.), 9, III

15 Regulatory information

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

 · **Australian Inventory of Chemical Substances**

All ingredients are listed.

 · **Standard for the Uniform Scheduling of Medicines and Poisons**

None of the ingredients is listed.

 · **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

 · **Hazard pictograms**


GHS07

 · **Signal word**

Warning

 · **Hazard-determining components of labelling:**

 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)
 oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

 · **Hazard statements**

 phenol, polymer with formaldehyde, glycidyl ether
 Causes skin irritation.

 · **Precautionary statements**

 Causes serious eye irritation.
 May cause an allergic skin reaction.
 Keep out of reach of children.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 Wash thoroughly after handling.
 Wear protective gloves/protective clothing/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.

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**If eye irritation persists: Get medical advice/attention.
 Take off contaminated clothing and wash it before reuse.
 Collect spillage.
 Dispose of contents/container in accordance with local/
 regional/national/international regulations.**

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I
- Seveso category
- Qualifying quantity (tonnes) for the application of lower-tier requirements
- Qualifying quantity (tonnes) for the application of upper-tier requirements
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**None of the ingredients is listed.
 E2 Hazardous to the Aquatic Environment**

200 t

500 t

16 Other information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

This information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. It does not constitute a legal warranty regulations. The delivery specifications are contained in the corresponding product sheet.

- Relevant phrases
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H319 Causes serious eye irritation.
- Abbreviations and acronyms:
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - DNEL: Derived No-Effect Level (REACH)
 - PNEC: Predicted No-Effect Concentration (REACH)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
 - Skin Sens. 1: Skin sensitisation – Category 1
- * Data compared to the previous version altered.
- Comment

**The information is based on our knowledge we do have so far.
 However it is not a confirmation of product features and does
 not establish contractual legal relationship. Use, operation
 and processing are the responsibility of the customer.**