

**Safety Data Sheet**  
in accordance with HSNO

Printing date 16.01.2019


Version number 6

Revision: 16.01.2019

**SECTION 1: Identification of the substance or mixture and of the supplier**

- **1.1 Product identifier**
- **Trade name** Okapol SH Komp. A
- **1.2 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)
- **Product category** PC1 Adhesives, sealants
- **Application of the substance / the mixture** Reaction resin
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** Polyflor New Zealand  
2 Narek Place  
Manukau 2104  
New Zealand  
Phone: 0800765935  
sales@polyflor.co.nz
- **Informing department:** Laboratory, departments of environmental protection and labor protection
- **1.4 Emergency telephone number:** Poison Information Center Freiburg Tel.: +49(0)761/ 19240  
(24h German and English)

**SECTION 2: Hazards identification**


- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
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**Skin Irrit. 2 H315 Causes skin irritation.**  
**Eye Irrit. 2 H319 Causes serious eye irritation.**

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- **Determined by Kiesel using GHS/HSNO Criteria** 6.3A; 6.4A

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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** 
  
GHS07
- **Signal word** Warning
- **Hazard statements** H315 Causes skin irritation.  
H319 Causes serious eye irritation.
- **Precautionary statements** 
 P102 Keep out of reach of children.  
 P264 Wash thoroughly after handling.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of 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.

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**P337+P313****If eye irritation persists: Get medical advice/attention.****P362+P364****Take off contaminated clothing and wash it before reuse.**

- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: **Not applicable.**
- vPvB: **Not applicable.**

## SECTION 3: Composition/Information on ingredients

- 3.2 Chemical characterisation: Mixtures

- Dangerous components:

<b>CAS: 1344-09-8</b>	Silicic acid, sodium salt	50-100%
<b>EINECS: 215-687-4</b>	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	
<b>CAS: 107-21-1</b>	ethane-1,2-diol	<2.5%
<b>EINECS: 203-473-3</b>	⚠ Acute Tox. 4, H302	

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

## SECTION 4: First aid measures

- 4.1 Description of first aid measures

- General information **Immediately remove contaminated clothing.**
- After inhalation **In case of unconsciousness bring patient into stable side position for transport.**
- After skin contact **Instantly wash with water and soap and rinse thoroughly.**
- After eye contact **Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.**
- After swallowing **In case of persistent symptoms consult doctor.**
- 4.2 Most important symptoms and effects, both acute and delayed **No further relevant information available.**
- 4.3 Indication of any immediate medical attention and special treatment needed **No further relevant information available.**

## SECTION 5: Fire fighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents **Use fire fighting measures that suit the environment.**
- 5.2 Special hazards arising from the substance or mixture **Formation of toxic gases is possible during heating or in case of fire.  
No further relevant information available.**
- 5.3 Advice for firefighters
- Protective equipment: **Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.**

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### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**      **Wear protective clothing.**
- **6.2 Environmental precautions:**      **No special measures required.**
- **6.3 Methods and material for containment and cleaning up:**      **Take-up with liquid binding material (sand, diatomaceous earth, acid binding agent, universal binding agent).**
- **6.4 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.**

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**      **Do not leave the container standing open.**
- **Information about protection against explosions and fires:**      **No special measures required.**
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**      **No special requirements.**
- **Information about storage in one common storage facility:**      **Not required.**
- **Further information about storage conditions:**      **Keep container tightly sealed.**
- **7.3 Specific end use(s)**      **No further relevant information available.**

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:**      **No further data; see item 7.**

#### · 8.1 Control parameters

- **Components with critical values that require monitoring at the workplace:**

CAS: 107-21-1 ethane-1,2-diol

<b>WES (New Zealand)</b>	<b>Ceiling limit: 127 mg/m<sup>3</sup>, 50 ppm</b> <b>Vapour and mist</b>
<b>NES (Australia)</b>	<b>Short-term value: 104** mg/m<sup>3</sup>, 40** ppm</b> <b>Long-term value: 10* 52** mg/m<sup>3</sup>, 20** ppm</b> <b>Sk;*particulate;**vapour</b>
<b>WES (Australia)</b>	<b>Short-term value: 104** mg/m<sup>3</sup>, 40** ppm</b> <b>Long-term value: 10* 52** mg/m<sup>3</sup>, 20** ppm</b> <b>Sk;*particulate;**vapour</b>

- **Additional information:**      **The lists that were valid during the compilation were used as basis.**

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- 8.2 Exposure controls
- Personal protective equipment
- General protective and hygienic measures

**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.**

- Breathing equipment:
- Protection of hands:

**Not required.  
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**

- Material of gloves

**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.**

- Penetration time of glove material

**The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.**

- Eye protection:
- Body protection:

**Safety glasses recommended during refilling.  
Protective work clothing.**

## SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- Appearance:

**Form: Fluid**

**Colour: Colourless**

- Smell: **Characteristic**

- Odour threshold: **Not determined.**

- pH-value: **Not determined.**

- Change in condition

**Melting point/freezing point: Not determined**

- Initial boiling point and boiling range: **Not applicable**

- Flash point: **Not applicable**

- Inflammability (solid, gaseous) **Not applicable.**

- Decomposition temperature: **Not determined.**

- 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 **1.48 g/cm<sup>3</sup>**

- Relative density **Not determined.**

- Vapour density **Not determined.**

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· <b>Evaporation rate</b>	<b>Not determined.</b>
· <b>Solubility in / Miscibility with Water:</b>	<b>less miscible</b>
· <b>Partition coefficient: n-octanol/water:</b>	<b>Not determined.</b>
· <b>Viscosity:</b>	
dynamic:	<b>Not determined.</b>
kinematic:	<b>Not determined.</b>
· <b>9.2 Other information</b>	<b>No further relevant information available.</b>

## SECTION 10: Stability and reactivity

· <b>10.1 Reactivity</b>	<b>No further relevant information available.</b>
· <b>10.3 Possibility of hazardous reactions</b>	<b>Reacts with light alloys to form hydrogen Strong exothermic reaction with acids</b>
· <b>10.4 Conditions to avoid</b>	<b>No further relevant information available.</b>
· <b>10.5 Incompatible materials:</b>	<b>No further relevant information available.</b>
· <b>10.6 Hazardous decomposition products:</b>	<b>None known.</b>

## SECTION 11: Toxicological information

· <b>11.1 Information on toxicological effects</b>	
· <b>Acute toxicity</b>	<b>Based on available data, the classification criteria are not met.</b>
· <b>Primary irritant effect:</b>	
· <b>Skin corrosion/irritation</b>	<b>Causes skin irritation.</b>
· <b>Serious eye damage/irritation</b>	<b>Causes serious eye irritation.</b>
· <b>Respiratory or skin sensitisation</b>	<b>Based on available data, the classification criteria are not met.</b>
· <b>CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)</b>	
· <b>Germ cell mutagenicity</b>	<b>Based on available data, the classification criteria are not met.</b>
· <b>Carcinogenicity</b>	<b>Based on available data, the classification criteria are not met.</b>
· <b>Reproductive toxicity</b>	<b>Based on available data, the classification criteria are not met.</b>
· <b>STOT-single exposure</b>	<b>Based on available data, the classification criteria are not met.</b>
· <b>STOT-repeated exposure</b>	<b>Based on available data, the classification criteria are not met.</b>
· <b>Aspiration hazard</b>	<b>Based on available data, the classification criteria are not met.</b>

## SECTION 12: Ecological information

· <b>12.1 Toxicity</b>	
· <b>Aquatic toxicity:</b>	<b>No further relevant information available.</b>
· <b>12.2 Persistence and degradability</b>	<b>No further relevant information available.</b>
· <b>12.3 Bioaccumulative potential</b>	<b>No further relevant information available.</b>
· <b>12.4 Mobility in soil</b>	<b>No further relevant information available.</b>
· <b>Additional ecological information:</b>	
· <b>General notes:</b>	<b>Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.</b>
· <b>12.5 Results of PBT and vPvB assessment</b>	
· <b>PBT:</b>	<b>Not applicable.</b>
· <b>vPvB:</b>	<b>Not applicable.</b>

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· 12.6 Other adverse effects      *No further relevant information available.*

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## SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation                      *Disposal according to official regulations*
- Uncleaned packagings:
- Recommendation:                      *Disposal must be made according to official regulations.*

## SECTION 14: Transport information

- |   |   |
|---|---|
| · 14.1 UN-Number  | Void  |
| · ADR, ADN, IMDG, IATA  |   |
| · 14.2 UN proper shipping name  | Void  |
| · ADR, ADN, IMDG, IATA  |   |
| · 14.3 Transport hazard class(es)   | Void  |
| · ADR, ADN, IMDG, IATA  |   |
| · Class   |   |
| · 14.4 Packing group  | Void  |
| · ADR, IMDG, IATA   |   |
| · 14.5 Environmental hazards:   | <i>Not applicable.</i>  |
| · 14.6 Special precautions for user                                       | <i>Not applicable.</i>  |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | <i>Not applicable.</i>  |
| · Transport/Additional information:                                       | <i>Not classified as dangerous in the meaning of transport regulations.</i> |
| · UN "Model Regulation":  | Void  |

## SECTION 15: Regulatory information

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

*This substance is to be managed using the conditions specified in an applicable Group Standard*

**HSR Number      Group Standard**

<b>HSR002624</b>	<b>N.O.S. (Subsidiary Hazard) Group Standard 2006</b>
<b>HSR002535</b>	<b>Compressed Gas Mixtures (Subsidiary Hazard) Group Standard 2006</b>
<b>HSR002596</b>	<b>Laboratory Chemicals and Reagent Kits Group Standard 2006</b>
<b>HSR002530</b>	<b>Cleaning Products (Subsidiary Hazard) Group Standard 2006</b>
<b>HSR002585</b>	<b>Fuel Additives (Subsidiary Hazard) Group Standard 2006</b>
<b>HSR002519</b>	<b>Aerosols (Subsidiary Hazard) Group Standard 2006</b>
<b>HSR002521</b>	<b>Animal Nutritional and Animal Care Products</b>

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**Group Standard 2006****HSR002606 Lubricants, Lubricant Additives, Coolants and Anti-freeze Agents (Subsidiary Hazard) Group Standard 2006****HSR002644 Polymers (Subsidiary Hazard) Group Standard 2006****HSR002647 Reagent Kits Group Standard 2006****HSR002612 Metal Industry Products (Subsidiary Hazard) Group Standard 2006****HSR002670 Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2006****HSR002503 Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2006****HSR002638 Photographic Chemicals (Subsidiary Hazard) Group Standard 2006****HSR002565 Embalming Products (Subsidiary Hazard) Group Standard 2006****HSR002578 Food Additives and Fragrance Materials (Subsidiary Hazard) Group Standard 2006****HSR002558 Dental Products (Subsidiary Hazard) Group Standard 2006****HSR002684 Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2006****HSR002573 Fire Fighting Chemicals Group Standard 2006****HSR100425 Pharmaceutical Active Ingredients Group Standard 2010****HSR002600 Leather and Textile Products (Subsidiary Hazard) Group Standard 2006****HSR002571 Fertilisers (Subsidiary Hazard) Group Standard 2006****HSR002648 Refining Catalysts Group Standard 2006****HSR002653 Solvents (Subsidiary Hazard) Group Standard 2006****HSR002544 Construction Products (Subsidiary Hazard) Group Standard 2006****HSR002549 Corrosion Inhibitors (Subsidiary Hazard) Group Standard 2006****HSR002552 Cosmetic Products Group Standard 2006****HSR100757 Veterinary Medicine (Limited Pack Size, Finished Dose) Standard 2012****HSR100758 Veterinary Medicines (Non-dispersive Closed System Application) Group Standard 2012****HSR100759 Veterinary Medicines (Non-dispersive Open System Application) Group Standard 2012****HSR100628 Straight-chained Lepidopteran Sex Pheromone Group Standard 2012**

· <b>New Zealand Inventory of Chemicals</b>
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<i>All ingredients are listed.</i>
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· <b>New Zealand HSNO Hazard Classes and Categories</b>
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<i>None of the ingredients is listed.</i>
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- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I**
- **15.2 Chemical safety assessment:**

*None of the ingredients is listed.*

**A Chemical Safety Assessment has not been carried out.**

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### SECTION 16: Other information

*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**
  - H302 Harmful if swallowed.**
  - H315 Causes skin irritation.**
  - 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**
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals**
  - 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)**
  - PBT: Persistent, Bioaccumulative and Toxic**
  - vPvB: very Persistent and very Bioaccumulative**
  - Acute Tox. 4: Acute toxicity – Category 4**
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2**
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**

- **\* 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.*

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