

Safety Data Sheet
in accordance with HSNO

Printing date 14.01.2019





Version number 34

Revision: 14.01.2019

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

- **1.1 Product identifier**
- **Trade name** Servoplan S 444
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** none
- **Sector of Use** SU21 Consumer uses: Private households / general public / consumers
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture** Knife filler/ Surfacer
- **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**
-  **corrosion**
- **Eye Dam. 1 H318 Causes serious eye damage.**
- 
- **Skin Irrit. 2 H315 Causes skin irritation.**
- **STOT SE 3 H335 May cause respiratory irritation.**
- **Determined by Kiesel using GHS/HSNO Criteria** 6.3A, 6.1E, 8.3A
- **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**  
GHS05 GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:** Portland Cement
- **Hazard statements** H315 Causes skin irritation.

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- H318 Causes serious eye damage.**
H335 May cause respiratory irritation.
- **Precautionary statements**
- P102** Keep out of reach of children.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P405** Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **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**
 · **Description:** *Mixtur of special cements and loading materials*

· **Dangerous components:**

CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO ₂) substance with a Community workplace exposure limit	25-<50%
CAS: 65997-15-1 EINECS: 266-043-4	Portland Cement ☠ Eye Dam. 1, H318 ⚠ Skin Irrit. 2, H315; STOT SE 3, H335	10-<25%
CAS: 65997-16-2	Calcium Aluminate Cement ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-<25%
CAS: 471-34-1 EINECS: 207-439-9	calcium carbonate substance with a Community workplace exposure limit	10-<25%

- **Additional information** *Have also a look to point 8 "Exposure controls and personalprotection"
 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** *If you feel unwell, seek medical advice.
 Immediately remove contaminated clothing.*
- **After inhalation** *Do not breathe dust.
 Inhalation of dusts causes irritation and swelling of respiratory ducts.
 In case of unconsciousness bring patient into stable side position for transport.*
- **After skin contact** *Instantly wash with water and soap and rinse thoroughly.*

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- **After eye contact** *Rinse opened eye for several minutes under running water. Then consult doctor.*
- **After swallowing** *Rinse out mouth and then drink plenty of water. The decision whether to provoke vomiting or not is to be taken by a physician.*
- **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** *The product itself does not burn. Use fire fighting measures that suit the environment.*
- **5.2 Special hazards arising from the substance or mixture** *Formation of poisonous gases during heating or in fires.*
- **5.3 Advice for firefighters**
- **Protective equipment:** *In case of fire wear self-contained breathing equipment. Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.*

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** *Ensure adequate ventilation
Avoid causing dust.
Respirator must be worn if exposed to dust.
Wear protective clothing.
Put on breathing apparatus.*
- **6.2 Environmental precautions:** *No special measures required.*
- **6.3 Methods and material for containment and cleaning up:** *Where possible recycling is preferred to disposal or incineration.
Use neutralising agent.
Dispose of contaminated material as waste according to item 13.*
- **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** *Thorough dedusting.
Do not leave the container standing open.
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with skin and eyes.*

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Do not breathe dust.**Breathing apparatus only if aerosol or dust is formed.
protected above to humidity**

- **Information about protection against explosions and fires:** **Keep breathing equipment ready.**
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** **Protect from water.**
- **Information about storage in one common storage facility:** **No incompatible products to be specially mentioned**
- **Further information about storage conditions:** **Keep away from food and drink.
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: 14808-60-7 Quartz (SiO₂)

WES (New Zealand)	Long-term value: 0.2 mg/m³ confirmed carcinogen; respirable dust
NES (Australia)	Long-term value: 0.1 mg/m³ respirable dust
WES (Australia)	Long-term value: 0.1 mg/m³ respirable dust

CAS: 65997-15-1 Portland Cement

WES (New Zealand)	Long-term value: 10 mg/m³
NES (Australia)	Long-term value: 10 mg/m³
WES (Australia)	Long-term value: 10 mg/m³

CAS: 471-34-1 calcium carbonate

WES (New Zealand)	Long-term value: 10 mg/m³
NES (Australia)	Long-term value: 10 mg/m³
WES (Australia)	Long-term value: 10 mg/m³

- **Additional information:** **** = respirable dust**

· 8.2 Exposure controls

- **Personal protective equipment**
- **General protective and hygienic measures**

Do not eat or drink 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 skin.****Avoid contact with the eyes and skin.**

- **Breathing equipment:** **No personal respiratory protective equipment normally required.**

Breathing apparatus only if aerosol or dust is formed.**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.**

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- **Protection of hands:** **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.**
Rubber gloves
- **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:** **Tightly sealed safety glasses.**
- **Body protection:** **long sleeved clothing**

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance:

Form: Solid.

Colour: Grey

· Smell: Characteristic

· Odour threshold: Not determined.

· pH-value at 20 °C: 13

· Change in condition

Melting point/freezing point: Not determined

Initial boiling point and boiling range: 2,200 °C
not apply

· Flash point: Not applicable

· Inflammability (solid, gaseous) Not determined.

· Ignition temperature: >400 °C

· Decomposition temperature: Not determined.

· Self-inflammability: Product is not selfigniting.

· Explosive properties: Product is not explosive.

· Critical values for explosion:

Lower: n. a. Vol %

Upper: Not determined.

· Steam pressure: Not applicable.

· Density at 20 °C 1.6 g/cm³

· Relative density Not determined.

· Vapour density Not applicable.

· Evaporation rate Not applicable.

· Solubility in / Miscibility with Water:

is setting hydraulically

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· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity: dynamic:	Not applicable.
kinematic:	Not applicable.
· Solvent content:	
Solids content:	100.0 %
· 9.2 Other information	The physical data are average values.

SECTION 10: Stability and reactivity

- 10.1 Reactivity **No further relevant information available.**
- 10.3 Possibility of hazardous reactions **No dangerous reactions known**
- 10.4 Conditions to avoid **No further relevant information available.**
- 10.5 Incompatible materials: **No decomposition if stored and applied as directed.**
- 10.6 Hazardous decomposition products: **none under normal use**

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity **Based on available data, the classification criteria are not met.**
- Primary irritant effect:
- Skin corrosion/irritation **Causes skin irritation.**
- Serious eye damage/irritation **Causes serious eye damage.**
- Respiratory or skin sensitisation **Based on available data, the classification criteria are not met.**
- Experience with humans: **If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known. May cause eye/skin irritation.**
- Additional toxicological information: **According to concentration, aqueous solution causes irritations or burns of eyes, skin and mucous membranes.**
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity **Based on available data, the classification criteria are not met.**
- Carcinogenicity **Based on available data, the classification criteria are not met.**
- Reproductive toxicity **Based on available data, the classification criteria are not met.**
- STOT-single exposure **May cause respiratory irritation.**
- STOT-repeated exposure **Based on available data, the classification criteria are not met.**
- Aspiration hazard **Based on available data, the classification criteria are not met.**

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity: **No further relevant information available.**
- 12.2 Persistence and degradability **No further relevant information available.**
- 12.3 Bioaccumulative potential **No further relevant information available.**
- 12.4 Mobility in soil **No further relevant information available.**

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· **Additional ecological information:**

· **General notes:**

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.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Disposal according to official regulations

· **further Notes**

Mix product residue with water, allow to harden, then dispose as Construction Waste.

· **Uncleaned packagings:**

· **Recommendation:**

Disposal must be made according to official regulations.

· **Recommended cleaning agent:**

Water, if necessary with cleaning agent.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA**

Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class**

Void

· **14.4 Packing group**

· **ADR, IMDG, IATA**

Void

· **14.5 Environmental hazards:**

· **Marine pollutant:**

No

· **14.6 Special precautions for user**

Not applicable.

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

Not applicable.

· **Transport/Additional information:**

Not classified as dangerous in the meaning of transport regulations.

· **UN "Model Regulation":**

Void

NZ

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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

HSR002624 N.O.S. (Subsidiary Hazard) Group Standard 2006

HSR002535 Compressed Gas Mixtures (Subsidiary Hazard) Group Standard 2006

HSR002596 Laboratory Chemicals and Reagent Kits Group Standard 2006

HSR002530 Cleaning Products (Subsidiary Hazard) Group Standard 2006

HSR002585 Fuel Additives (Subsidiary Hazard) Group Standard 2006

HSR002519 Aerosols (Subsidiary Hazard) Group Standard 2006

HSR002521 Animal Nutritional and Animal Care Products 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

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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

· New Zealand Inventory of Chemicals	
CAS: 65997-15-1	Portland Cement
CAS: 65997-16-2	Calcium Aluminate Cement
CAS: 471-34-1	calcium carbonate
CAS: 10034-76-1	Calcium sulfate hemihydrate
CAS: 144-55-8	sodium hydrogencarbonate
CAS: 6381-59-5	Potassium sodium tartrate
	Hydroxyethylcellulose
CAS: 497-19-8	sodium carbonate
CAS: 527-07-1	sodium gluconate
CAS: 10377-48-7	lithium sulfate
· New Zealand HSNO Hazard Classes and Categories	
None of the ingredients is listed.	
· Directive 2012/18/EU	
· Named dangerous substances - ANNEX I	None of the ingredients is listed.
· National regulations	
· Other regulations, limitations and prohibitive regulations	-
	-
· 15.2 Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

CAS: 65997-15-1	Portland Cement
CAS: 65997-16-2	Calcium Aluminate Cement
CAS: 471-34-1	calcium carbonate
CAS: 10034-76-1	Calcium sulfate hemihydrate
CAS: 144-55-8	sodium hydrogencarbonate
CAS: 6381-59-5	Potassium sodium tartrate
	Hydroxyethylcellulose
CAS: 497-19-8	sodium carbonate
CAS: 527-07-1	sodium gluconate
CAS: 10377-48-7	lithium sulfate

· New Zealand HSNO Hazard Classes and Categories	
None of the ingredients is listed.	
· Directive 2012/18/EU	
· Named dangerous substances - ANNEX I	None of the ingredients is listed.
· National regulations	
· Other regulations, limitations and prohibitive regulations	-
	-
· 15.2 Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

None of the ingredients is listed.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I

None of the ingredients is listed.

· National regulations

· Other regulations, limitations and prohibitive regulations -

-

· 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Chapters which have been revised from the previous issue are marked "***".

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.

(n.a. - not applicable, n.d. - not determined)

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.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory 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

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CAS: Chemical Abstracts Service (division of the American Chemical Society)**PBT: Persistent, Bioaccumulative and Toxic****vPvB: very Persistent and very Bioaccumulative****Skin Irrit. 2: Skin corrosion/irritation – Category 2****Eye Dam. 1: Serious eye damage/eye irritation – Category 1****Eye Irrit. 2: Serious eye damage/eye irritation – Category 2****STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**

- * **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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