

Safety Data Sheet
in accordance with HSNO

Printing date 16.01.2019

Version number 37

Revision: 16.01.2019

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

- 1.1 Product identifier
- Trade name **Servoplan R 300 S**
- 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)
- 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



health hazard

STOT RE 2 H373 May cause damage to the lung through prolonged or repeated exposure.
Route of exposure: Inhalation.



corrosion

Eye Dam. 1 H318 Causes serious eye damage.



Skin Irrit. 2 H315 Causes skin irritation.

- Determined by Kiesel using GHS/HSNO Criteria **6.3A, 6.9B, 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 GHS08

- Signal word **Danger**

(Contd. on page 2)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 37

Revision: 16.01.2019

Trade name Servoplan R 300 S

(Contd. of page 1)

- **Hazard-determining components of labelling:** **Portland Cement**
Quartz (SiO₂)
- **Hazard statements** **H315 Causes skin irritation.**
H318 Causes serious eye damage.
H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.
- **Precautionary statements** **P102 Keep out of reach of children.**
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves / 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.
P310 Immediately call a POISON CENTER/doctor.
P321 Specific treatment (see on this label).
P314 Get medical advice/attention if you feel unwell.
P362+P364 Take off contaminated clothing and wash it before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
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

None

- **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) ⚠ STOT RE 2, H373	25-<50%
CAS: 65997-16-2	Calcium Aluminate Cement ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-<25%
CAS: 65997-15-1 EINECS: 266-043-4	Portland Cement ⚠ Eye Dam. 1, H318 ⚠ Skin Irrit. 2, H315; STOT SE 3, H335	≥3-<10%

- **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** **If you feel unwell, seek medical advice.**
Immediately remove contaminated clothing.

(Contd. on page 3)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 37

Revision: 16.01.2019

Trade name Servoplan R 300 S

(Contd. of page 2)

- **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.**
- **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.**
Make patient vomit by him/herself.
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** **none**
- **Protective 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:** **Use neutralising agent.**
Dispose of contaminated material as waste according to item 13.
- **6.4 Reference to other sections** **hardened after contact with water**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

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(Contd. on page 4)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 37

Revision: 16.01.2019

Trade name Servoplan R 300 S

(Contd. of page 3)

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.
 - 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:** protected above to humidity in closing rooms
- **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/m ³ confirmed carcinogen; respirable dust
NES (Australia)	Long-term value: 0.1 mg/m ³ respirable dust
WES (Australia)	Long-term value: 0.1 mg/m ³ respirable dust

CAS: 65997-15-1 Portland Cement

WES (New Zealand)	Long-term value: 10 mg/m ³
NES (Australia)	Long-term value: 10 mg/m ³
WES (Australia)	Long-term value: 10 mg/m ³

- **Additional information:** * = total 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.
- Store protective clothing separately.
- Avoid contact with the skin.
- Avoid contact with the eyes and skin.

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

(Contd. on page 5)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 37

Revision: 16.01.2019

Trade name Servoplan R 300 S

(Contd. of page 4)

- 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.
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
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
- **Protection of hands:**
 - **Material of gloves**
 - **Penetration time of glove material**
 - **Eye protection:**
 - **Body protection:**
- The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.**
Tightly sealed safety glasses.
long sleeved clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance:

Form: Powder

Colour: Grey

· Smell: Characteristic

· Odour threshold: Not determined.

· pH-value at 20 °C: 12

· Change in condition

Melting point/freezing point: Not determined

Initial boiling point and boiling range: not apply

· Flash point: Not applicable

· Inflammability (solid, gaseous) Not determined.

· Ignition temperature: >200 °C

· 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 applicable.

· Density at 20 °C 1.3 g/cm³

· Relative density Not determined.

· Vapour density Not applicable.

· Evaporation rate Not applicable.

(Contd. on page 6)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 37

Revision: 16.01.2019

Trade name Servoplan R 300 S

(Contd. of page 5)

- | | |
|---|--|
| · Solubility in / Miscibility with Water: | <i>is setting hydraulically</i> |
| · Partition coefficient: n-octanol/water: | <i>Not determined.</i> |
| · Viscosity:
dynamic: | <i>Not applicable.</i> |
| kinematic: | <i>Not applicable.</i> |
| · 9.2 Other information | <i>The physical data are average values.</i> |

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. The product contains cement. In combination with humidity the product provokes an alkaline reaction. 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 *Based on available data, the classification criteria are not met.*
- STOT-repeated exposure *May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.*
- 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.*

(Contd. on page 7)

NZ

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 37

Revision: 16.01.2019

Trade name Servoplan R 300 S

(Contd. of page 6)

- **Ecotoxicological effects:** *only by unintentional binding with much material and water is a highly pH-value possible*
- **Additional ecological information:**
- **General notes:** *Ecological injuries are not known or expected under normal use.
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.*

SECTION 14: Transport information

- | | |
|---|--|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | Void |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: | No |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user | Not applicable. |
| <ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| <ul style="list-style-type: none"> · Transport/Additional information: | Not classified as dangerous in the meaning of transport regulations. |

(Contd. on page 8)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 37

Revision: 16.01.2019

Trade name Servoplan R 300 S

(Contd. of page 7)

· 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

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

(Contd. on page 9)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 37

Revision: 16.01.2019

Trade name Servoplan R 300 S

(Contd. of page 8)

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

· **New Zealand Inventory of Chemicals**

CAS: 14808-60-7	Quartz (SiO ₂)
CAS: 65997-16-2	Calcium Aluminate Cement
CAS: 10034-76-1	Calcium sulfate hemihydrate
CAS: 65997-15-1	Portland Cement
CAS: 497-19-8	sodium carbonate
CAS: 7631-86-9	silicon dioxide, chemically prepared
CAS: 554-13-2	lithium carbonate
CAS: 6132-04-3	Trinatriumcitrat

· **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.

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.

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.

H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

· **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

(Contd. on page 10)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 37

Revision: 16.01.2019

Trade name Servoplan R 300 S

(Contd. of page 9)

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****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****STOT RE 2: Specific target organ toxicity (repeated exposure) – 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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