

Safety Data Sheet in accordance with HSNO

Printing date 16.01.2019




Version number 27

Revision: 16.01.2019

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

- 1.1 Product identifier
- Trade name **Servofix FG**
- 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 **self-levelling flooring compound**
- 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.**
- Determined by Kiesel using GHS/HSNO Criteria **6.3A, 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**
- Signal word **Danger**
- Hazard-determining components of labelling: **Portland Cement**
- Hazard statements **H315 Causes skin irritation.**
H318 Causes serious eye damage.

(Contd. on page 2)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 27

Revision: 16.01.2019

Trade name Servofix FG

(Contd. of page 1)

- **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.
- **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: 65997-16-2	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	10%

- **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.
- **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.

(Contd. on page 3)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 27

Revision: 16.01.2019

Trade name Servofix FG

(Contd. of page 2)

- **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.
CO₂, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.
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:** 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.
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.

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.

(Contd. on page 4)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 27

Revision: 16.01.2019

Trade name Servofix FG

(Contd. of page 3)

- 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

CAS: 9470-34-4 Calcium carbonate

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.
Avoid contact with the skin.
Avoid contact with the eyes and skin.*

· Breathing equipment: *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.*

· Protection of hands: *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*

(Contd. on page 5)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 27

Revision: 16.01.2019

Trade name Servofix FG

(Contd. of page 4)

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:	Powder
Colour:	Dark grey
Smell:	Characteristic
Odour threshold:	Not determined.

· pH-value at 20 °C: 11

· 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: n. a. °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 1.35 g/cm³

· Relative density Not determined.

· Vapour density Not applicable.

· Evaporation rate Not applicable.

· Solubility in / Miscibility with

Water: is setting hydraulically

· 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.

—NZ—

(Contd. on page 6)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 27

Revision: 16.01.2019

Trade name Servofix FG

(Contd. of page 5)

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 *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.*
- 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.*

(Contd. on page 7)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 27

Revision: 16.01.2019

Trade name Servofix FG

(Contd. of page 6)

- **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:** Empty containers should be taken for local recycling, recovery or waster disposal.

SECTION 14: Transport information

- | | |
|--|--|
| · 14.1 UN-Number | Void |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | Void |
| · 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 |

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 |

(Contd. on page 8)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 27

Revision: 16.01.2019

Trade name Servofix FG

(Contd. of page 7)

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**
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: 65997-16-2	Calcium Aluminate Cement
CAS: 65997-15-1	Portland Cement
CAS: 10034-76-1	Calcium sulfate hemihydrate
CAS: 554-13-2	lithium carbonate

(Contd. on page 9)

Safety Data Sheet

in accordance with HSNO

Printing date 16.01.2019

Version number 27

Revision: 16.01.2019

Trade name Servofix FG

(Contd. of page 8)

CAS: 144-55-8	sodium hydrogencarbonate
CAS: 6132-04-3	Trinatriumcitrat
CAS: 6381-59-5	Potassium sodium tartrate
· New Zealand HSNO Hazard Classes and Categories	
None of the ingredients is listed.	

- Directive 2012/18/EU
 - Named dangerous substances - ANNEX I
 - National regulations
 - Other regulations, limitations and prohibitive regulations
 - 15.2 Chemical safety assessment:
- None of the ingredients is listed.
- 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
 - 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.