

## Safety Data Sheet in accordance with HSNO

Printing date 16.01.2019

Version number 25

Revision: 16.01.2019

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

- 1.1 Product identifier
- Trade name **Servofine F 333**
- 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/ Surfacers**
- 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.**

**STOT SE 3 H335 May cause respiratory irritation.**

- Determined by Kiesel using GHS/HSNO Criteria **6.3A , 6.1E, 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 GHS07 GHS08**

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- **Signal word** **Danger**
- **Hazard-determining components of labelling:** **Portland Cement**  
**Quartz (SiO<sub>2</sub>)**
- **Hazard statements** **H315 Causes skin irritation.**  
**H318 Causes serious eye damage.**  
**H335 May cause respiratory irritation.**  
**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.**  
**P271 Use only outdoors or in a well-ventilated area.**  
**P280 Wear protective gloves / eye protection / face protection.**  
**P302+P352 IF ON SKIN: Wash with plenty of water.**  
**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.**  
**P332+P313 If skin irritation occurs: Get medical advice/attention.**  
**P362+P364 Take off contaminated clothing and wash it before reuse.**  
**P403+P233 Store in a well-ventilated place. Keep container tightly closed.**  
**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

#### Dangerous components:

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: 14808-60-7 EINECS: 238-878-4	Quartz (SiO <sub>2</sub> ) STOT RE 2, H373	10-<25%
CAS: 65997-16-2	Calcium Aluminate Cement Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-<25%

- **Additional information** **Have also a look to point 8 "Exposure controls and personal protection"**  
**For the wording of the listed hazard phrases refer to section 16.**

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### 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** *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

- **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.*

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See Section 13 for information on disposal.

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  - Keep out of the reach of children.
  - 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:** 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**

· <b>Components with critical values that require monitoring at the workplace:</b>	
CAS: 65997-15-1 Portland Cement	
WES (New Zealand)	Long-term value: 10 mg/m <sup>3</sup>
NES (Australia)	Long-term value: 10 mg/m <sup>3</sup>
WES (Australia)	Long-term value: 10 mg/m <sup>3</sup>
CAS: 14808-60-7 Quartz (SiO <sub>2</sub> )	
WES (New Zealand)	Long-term value: 0.2 mg/m <sup>3</sup> confirmed carcinogen; respirable dust
NES (Australia)	Long-term value: 0.1 mg/m <sup>3</sup> respirable dust
WES (Australia)	Long-term value: 0.1 mg/m <sup>3</sup> respirable dust
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **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.

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- Avoid contact with the skin.**  
**Avoid contact with the eyes and skin.**  
**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.**
- **Breathing equipment:**
- **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 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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.**
- **Eye protection:**  
**Tightly sealed safety glasses.**

## SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · Appearance:

Form:	Powder
Colour:	Light 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: >500 °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	1.8 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.

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- |   |                                       |
|---|---------------------------------------|
| · Solubility in / Miscibility with Water: | is setting hydraulically              |
| · Partition coefficient: n-octanol/water: | Not determined.                       |
| · Viscosity:<br>dynamic:                  | Not applicable.                       |
| kinematic:                                | Not applicable.                       |
| · 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 further relevant information available.
- 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: May cause eye/skin irritation.  
The product contains cement. In combination with humidity the product provokes an alkaline reaction.
- Additional toxicological information: According to concentration, aqueous solution causes irritations or burns of eyes, skin and mucous membranes.
- CMR effects (carcinogenity, 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 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.
- Ecotoxic effects: only by unintentional binding with much material and water is a highly pH-value possible

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· **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.*

· **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.*

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· 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**

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**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: 65997-15-1 Portland Cement

CAS: 14808-60-7 Quartz (SiO<sub>2</sub>)

CAS: 65997-16-2 Calcium Aluminate Cement

CAS: 10034-76-1 Calcium sulfate hemihydrate

CAS: 9004-34-6 Cellulose

CAS: 497-19-8 sodium carbonate

CAS: 554-13-2 lithium carbonate

CAS: 6381-59-5 Potassium sodium tartrate

CAS: 7720-78-7 iron sulphate

CAS: 9004-58-4 ethyl hydroxyethyl cellulose

· **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.

· **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:**

**RID:** Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

**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

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**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****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.**

—NZ—