



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2022

Version number 3 (replaces version 2)

Revision: 29.06.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

· Trade name **Servoplan EM 580**

· UFI: **J002-M03Q-9009-EVTV**

· 1.2 Relevant identified uses of the substance or mixture and uses advised against

· Sector of Use **SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)**

SU21 Consumer uses: Private households / general public / consumers

· Product category **PC9b Fillers, putties, plasters, modelling clay**

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier: **Kiesel Bauchemie GmbH & Co. KG
Wolf-Hirth-Str. 2**

D-73730 Esslingen

Tel.: +49(0)711/93134-0

Fax: +49(0)711/93143-140

E-Mail: sida@kiesel.com

· 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



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

· 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

(Contd. on page 2)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2022

Version number 3 (replaces version 2)

Revision: 29.06.2022

Trade name Servoplan EM 580

(Contd. of page 1)

- **Hazard-determining components of labelling:** **Portland Cement**
- **Hazard statements** **H315 Causes skin irritation.**
H318 Causes serious eye damage.
- **Precautionary statements** **P102** **Keep out of reach of children.**
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.**
P332+P313 **If skin irritation occurs: Get medical advice/attention.**
P362+P364 **Take off contaminated clothing and wash it before reuse.**
- **2.3 Other hazards** **The preparation is low in chromate, therefore there is no risk of sensitisation by chromate. In the ready-to-use form after addition of water, the content of soluble chromium(VI) is at most 0.0002% of the dry mass of the cement contained. A prerequisite for the effectiveness of the chromate reduction is proper dry storage and observance of the expiry date.**
- **Results of PBT and vPvB assessment** **This mixture does not contain any substance considered to be persistent, bioaccumulative or toxic (PBT) will be. This mixture does not contain any substance that is considered very persistent or very bioaccumulative (vPvB) (if not listed in section 3).**
- **PBT:** **Not applicable.**
- **vPvB:** **Not applicable.**

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Dangerous components:**

CAS: 65997-15-1	Portland Cement	10-<25%
	 Eye Dam. 1, H318  Skin Irrit. 2, H315; STOT SE 3, H335	

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

EU

(Contd. on page 3)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2022

Version number 3 (replaces version 2)

Revision: 29.06.2022

Trade name Servoplan EM 580

(Contd. of page 2)

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- **General information** **Immediately remove contaminated clothing. If you feel unwell, seek medical advice.**
- **After inhalation** **In case of unconsciousness bring patient into stable side position for transport. Seek medical treatment in case of complaints.**
- **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** **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: Firefighting measures

· 5.1 Extinguishing media

- **Suitable extinguishing agents** **CO₂, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam. Use fire fighting measures that suit the environment.**

· For safety reasons unsuitable extinguishing agents

Water with a full water jet.

· 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

· 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

Not required.

· 6.2 Environmental precautions:

No special measures required.

· 6.3 Methods and material for containment and cleaning up:

Use neutralising agent.

(Contd. on page 4)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2022

Version number 3 (replaces version 2)

Revision: 29.06.2022

Trade name Servoplan EM 580

(Contd. of page 3)

- **6.4 Reference to other sections**
 - Dispose of contaminated material as waste according to item 13.*
 - Collect mechanically.*
 - 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.*
 - 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:** *No special measures required.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:** *Keep container tightly sealed.*
- **Storage class** *11*
- **7.3 Specific end use(s)** *No further relevant information available.*

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**
- **Additional information:** *The lists that were valid during the compilation were used as basis.*
- **8.2 Exposure controls**
- **Appropriate engineering controls** *No further data; see item 7.*
- **Individual protection measures, such as 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 skin.*
 - Avoid contact with the eyes and skin.*
- **Breathing equipment:** *Breathing apparatus only if aerosol or dust is formed.*

(Contd. on page 5)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2022

Version number 3 (replaces version 2)

Revision: 29.06.2022

Trade name Servoplan EM 580

(Contd. of page 4)

- **Hand protection** *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** *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/face protection** *Tightly sealed safety glasses.*

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **Physical state** *Solid.*
- **Colour:** *Grey*
- **Smell:** *Not distinguishable*
- **Odour threshold:** *Not determined.*
- **Melting point/freezing point:** *Not determined*
- **Boiling point or initial boiling point and boiling range** *not apply*
- **Flammability** *Not determined.*
- **Lower and upper explosion limit**
- **Lower:** *Not determined.*
- **Upper:** *Not determined.*
- **Flash point:** *Not applicable*
- **Decomposition temperature:** *Not determined.*
- **pH at 20 °C** *11.5-13.5 (90%)*
- **Viscosity:**
- **Kinematic viscosity** *Not applicable.*
- **dynamic:** *Not applicable.*
- **Solubility**
- **Water:** *is setting hydraulically*
- **Partition coefficient n-octanol/water (log value)** *Not determined.*
- **Steam pressure:** *Not applicable.*
- **Density and/or relative density**
- **Density** *1,135 g/cm³*
- **Relative density** *Not determined.*
- **Vapour density** *Not applicable.*
- **Particle characteristics** *See item 3.*
- **9.2 Other information**
- **Appearance:**
- **Form:** *Powder*
- **Self-inflammability:** *Product is not selfigniting.*
- **Explosive properties:** *Product is not explosive.*

(Contd. on page 6)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2022

Version number 3 (replaces version 2)

Revision: 29.06.2022

Trade name Servoplan EM 580

(Contd. of page 5)

- **Solvent content:**
- **Solids content:** 100.0 %
- **Change in condition**
- **Evaporation rate** Not applicable.

- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

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 known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **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.
- **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.

(Contd. on page 7)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2022

Version number 3 (replaces version 2)

Revision: 29.06.2022

Trade name Servoplan EM 580

(Contd. of page 6)

- **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.*
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

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.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **12.6 Endocrine disrupting properties** *The product does not contain substances with endocrine disrupting properties.*
- **12.7 Other adverse effects**
- **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.*

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.*

· **European waste catalogue**

17 01 01 concrete

(Contd. on page 8)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 29.06.2022

Version number 3 (replaces version 2)

Revision: 29.06.2022

Trade name Servoplan EM 580

(Contd. of page 7)

- **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 or ID number**
· **ADR, IMDG, IATA** *Void*
- **14.2 UN proper shipping name**
· **ADR, 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:** *Not applicable.*
- **14.6 Special precautions for user** *Not applicable.*
- **14.7 Maritime transport in bulk according to IMO instruments** *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**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** *None of the ingredients are included*
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients is listed.

(Contd. on page 9)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2022

Version number 3 (replaces version 2)

Revision: 29.06.2022

Trade name Servoplan EM 580

(Contd. of page 8)

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations**

· **Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

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.

· **Version number of previous version:**

2

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· **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.