

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 07.07.2020

Version number 2

Revision: 07.07.2020

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

- **1.1 Product identifier**
- **Trade name:** SHERABIO-MUFFELVLIES
- **Article number:** 92621
- **Registration number** SDB30562A
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
No further relevant information available.
- **Application of the substance / the mixture:** Auxiliary for dental technology
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SHERA Werkstoff-Technologie GmbH & Co. KG
Espohlstraße 53
D-49448 Lemförde
GERMANY
sdb@shera.de
- **Further information obtainable from:** Department of product security.
- **1.4 Emergency telephone number:**
+49 5443 9933-0 This number is serviced during office hours.
Opening times: Monday to Thursday from 8 am – 5 pm, Friday from 8 am – 3 pm.

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008:**
The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008:** Void.
- **Hazard pictograms:** Void.
- **Signal word:** Void.
- **Hazard statements:** Void.
- **2.3 Other hazards**
Dust and particles released during cutting and machining contain fused silica, which can lead to severe eye irritation and to irritation of the respiratory tract (H319, H335).
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Paper made of acrylic-latex bonded alkaline earth silicate wool.
- **Dangerous components:** Void.

- **Non-dangerous ingredients**

CAS: 436083-99-7 Index number: 650-016-00-2	Alkaline earth silicate wool	50-98%
	Acrylic resin binder	2-15%
	Inerte anorganische Substanzen	0-10%

- **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:** No special measures required.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 07.07.2020

Version number 2

Revision: 07.07.2020

Trade name: SHERABIO-MUFFELVLIES

(Contd. of page 1)

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Wash with water and soap.
Rinse with warm water.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Avoid eye friction.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Rinse out mouth and then drink plenty of water.
- **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** The product itself does not burn.
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**
The included binder can be thermally decomposed and / or can release gas as well as vapor.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
Avoid formation of dust.
- **6.2 Environmental precautions**
A further dust formation could be avoided by moistening the relating material.
Do not allow to enter sewers / surface or ground water.
- **6.3 Methods and material for containment and cleaning up**
Collect big residues and aspirate the small ones. Avoid wind-blown dispersal.
Avoid generation of dust.
- **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 disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Use only in well ventilated areas.
Any unavoidable deposit of dust must be regularly removed.
No special measures required.
- **Information about fire - and explosion protection:** The product is not flammable.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store in a dry place.
Avoid generation of dust.
Keep container tightly closed.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class:** No information available.

(Contd. on page 3)

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



Printing date 07.07.2020

Version number 2

Revision: 07.07.2020

Trade name: SHERABIO-MUFFELVLIES

(Contd. of page 2)

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Ensure good ventilation / exhaustion at the workplace.
Avoid generation of dust.
Do not breathe dust.
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:**
If occupational exposure limits (OEL) and other exposure limits are observed long-term, no particular precautions are normally required.
Use suitable respiratory protective device when high concentrations are present.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product. Due to missing tests no recommendation to the glove material can be given for the product. 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.
- **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:** Not required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Paper
Colour:	White
Odour:	Odourless
pH-value:	Not applicable.
Change in condition:	
Melting point/freezing point:	>1400 °C
Initial boiling point and boiling range:	Not applicable.
Flash point:	Not applicable.
Flammability (solid, gas):	Not determined.
Decomposition temperature:	Not determined.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 07.07.2020

Version number 2

Revision: 07.07.2020

Trade name: SHERABIO-MUFFELVLIES

(Contd. of page 3)

· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure:	Not applicable.
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water:	Practically insoluble.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable and inert.
- **10.2 Chemical stability** Stable, inorganic and inert.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
During the first heating, oxidation products of the organic binder are created at temperatures from 180°C until maximum 600°C.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials**
Alkalis (alkalis).
Strong acid.
- **10.6 Hazardous decomposition products**
At enduring temperatures of more than 900°C, the amorphous material starts with the transformation into crystalline phases.

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** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
An exposure occurs mainly by inhalation.
Artificial mineral fibres being of similar geometry as ceramic fibres have shown no sign of migrating from the lung to other organs in the body. The fibres of this product are especially developed to dissolve fast in the lung tissue. This low bio-persistency have been proved by several studies about AES fibres (AES = alkaline earth silicate fibres) under the application of the EU-Protocol ECB/TM/27 (rev. 7). Even after the inhalation of a high dose, there is no accumulation up to a level having a potential to cause serious negative biological effects.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

(Contd. on page 5)

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



Printing date 07.07.2020

Version number 2

Revision: 07.07.2020

Trade name: SHERABIO-MUFFELVLIES

(Contd. of page 4)

- **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.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
- **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:**
Smaller quantities can be disposed of with household waste.
Waste disposal according to official state regulations.
- **Waste disposal key:**
The waste disposal code as prescribed in the European Waste Catalogue (EWC) depends on the waste producer and can thus vary for a product. The waste disposal code should thus be obtained separately from the waste producer in each case.
- **European waste catalogue:**
According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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. |

(Contd. on page 6)

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



Printing date 07.07.2020

Version number 2

Revision: 07.07.2020

Trade name: SHERABIO-MUFFELVLIES

(Contd. of page 5)

- | | |
|--|-----------------|
| · 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. |
| · 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 is listed.
- **National regulations:**
- **Information about limitation of use:**
Employment restrictions concerning juveniles 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 is based on the state of knowledge and experience pertaining on the date of issue. The information is not to be taken as a guarantee of product properties and do not constitute the basis for a contractual legal relationship. The details must not be changed or transferred to other products. Duplication in an unchanged state is permissible.

- **Department issuing SDS:** Department of product security.
- **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
- *** Data compared to the previous version altered.**

GB