



# SAFETY DATA SHEET

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Merssage Plus

Printing date: April 3, 2020

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

- 1.1 Product identifier  
Trade Name:  
**Merssage Plus**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
Relevant identified uses: Dental material  
Uses advised against: No further data
- 1.3 Details of the supplier of the safety data sheet  
Company/Undertaking identification  
Manufacturer's Name: SHOFU DENTAL GmbH  
Address: An der Pönt 70, 40885 Ratingen, Germany  
Phone: +49 (0) 2102-8664-0  
Fax: +49 (0) 2102-8664-64  
E-Mail: info@shofu.de  
Section in Charge: Quality Management & Regulatory Affairs
- 1.4 Emergency Telephone Number  
+49-2102-8664-53 (SHOFU DENTAL GmbH) 24 hours / 7 days

## SECTION 2. Hazards identification

- 2.1 Classification of the substance or mixture  
CLASSIFICATION (EC 1272/2008)
- |               |      |                               |
|---------------|------|-------------------------------|
| Acute Tox. 3  | H301 | Toxic if swallowed            |
| Skin Irrit. 2 | H315 | Causes skin irritation        |
| Eye Irrit. 2  | H319 | Causes serious eye irritation |

- 2.2 Label elements  
LABEL IN ACCORDANCE WITH (EC) NO.1272/2008



GHS06

### HAZARD-DETERMINING COMPONENTS OF LABELLING

Sodium fluoride

### SIGNAL WORD

Danger

### HAZARD STATEMENTS

H301	Toxic if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

### PRECAUTIONARY STATEMENTS

P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

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P301+P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302+P352

IF ON SKIN: Wash with plenty of soap and 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.

## 2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## SECTION 3. Composition/information on ingredients

3.1 Chemical characterization: Mixtures

3.2 Description: Mixture of substances listed below with nonhazardous additions.

3.3 Dangerous components:

Cas: 7681-49-4 EINECS: 231-667-8	Sodium fluoride	0.5-10 %
	Acute Tox. 3 H301, Skin Irrit. 2 H315 Eye Irrit. 2 H319	

Others:

Glycerin [Cas No.56-81-5, EINECS 200-289-5] 40-50 %

Tetra Sodium Pyrophosphate [Cas No.7722-88-5, EINECS 231-767-1] 0-5 %

3.4 Additional information: For the wording of the listed risk phrases refer to section 2.

## SECTION 4. First-aid measures

4.1 Description of first aid measures

Eye contact: May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Skin contact: May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Ingestion: May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

Inhalation: May cause irritation to mucous membranes. Move the exposed person to fresh air.

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:

Use extinguishing media appropriate to the surrounding fire conditions. (Contd. on page3)



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- 5.2 Special hazards arising from the substance or mixture:  
Burning produces irritating, toxic and obnoxious fumes.
- 5.3 Advice for firefighters:  
Wear suitable respiratory equipment when necessary.

## SECTION 6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:  
Ensure adequate ventilation of the working area.
- 6.2 Environmental Precautions:  
Do not allow product to enter drains. Prevent further spillage if safe.
- 6.3 Methods and material for containment and cleaning up:  
Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
- 6.4 Reference to other section:  
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:  
Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
- 7.2 Conditions for safe storage, including any incompatibilities:  
Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
- 7.3 Specific end use(s):  
No further relevant information available.

## SECTION 8. Exposure controls/personal protection

- 8.1 Control parameters:  
Exposure limits:

Component		ACGIH(TLV)
Sodium fluoride	STEL: 7.5 mg/m <sup>3</sup> 15 min	2.5 mg/m <sup>3</sup>
	TWA: 2.5 mg/m <sup>3</sup> 8 hr	(TWA) as F
Glycerin	TWA: 10 mg/m <sup>3</sup> 8 hr (mist only)	TWA 10 mg/m <sup>3</sup> (Glycerin mist)

- 8.2 Exposure controls:  
Respiratory Protection: Not required.
- Skin Protection: Hand Protection  
Chemical resistant gloves (PVC).
- Eye Protection: Safety goggles

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## SECTION 9. Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- |  |                             |
|--|-----------------------------|
| Appearance/Odor/Colour:                      | Characteristic orange paste |
| Odour threshold                              | Not determined.             |
| pH   | Not determined.             |
| Melting point/freezing point                 | Not determined.             |
| Boiling Point:                               | Not determined.             |
| Flash point:                                 | Not determined.             |
| Evaporation rate                             | Not determined.             |
| Flammability (solid, gas)                    | Not applicable.             |
| Upper/lower flammability or explosive limits | Not determined.             |
| Vapour pressure                              | Not determined.             |
| Vapour density                               | Not determined.             |
| Relative Density:                            | Not determined.             |
| Solubility: water solubility                 | Slightly soluble in water   |
| Partition coefficient: n-octanol/water       | Not determined.             |
| Auto-ignition temperature                    | Not determined.             |
| Decomposition temperature                    | Not determined.             |
| Viscosity                                    | Not determined.             |
| Explosive properties                         | Not applicable.             |
| Oxidising properties                         | Not applicable.             |
- 9.2 Other information
- No further relevant information available.

## SECTION 10. Stability and reactivity

- 10.1 Reactivity:
- No further relevant information available.
- 10.2 Chemical stability:
- Stable under normal conditions.
- 10.3 Possibility of hazardous reactions:
- No dangerous reactions known.
- 10.4 Condition to Avoid:
- Avoid exposure to direct sun light on the container.
- 10.5 Incompatible materials:
- No further relevant information available.
- 10.6 Hazardous Decomposition Products:
- None under normal conditions of storage and use.

## SECTION 11. Toxicological information

- 11.1 Information on toxicological effects:
- |                 |   |
|-----------------|---|
| Acute toxicity: | Acute Tox. 3; H301 Toxic if swallowed.  |
|                 | Sodium fluoride; Oral rat LD50 52 mg/kg |
|                 | Dermal rat LD50 > 2000 mg/kg            |

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Glycerin;	Oral rat	LD50	12600 mg/kg
	Dermal rabbit	LD50	> 10 g/kg
	Inhalation		
	rat	LC50	> 570 mg/m <sup>3</sup> /1H
Skin corrosion/irritation:	Skin Irrit. 2; H315 Causes skin irritation.		
Eye damage/irritation:	Eye Irrit. 2; H319 Causes serious eye irritation.		
Sensitization to the respiratory tract:	Based on available data, the classification criteria are not met.		
Skin sensitization:	Based on available data, the classification criteria are not met.		
Germ cell mutagenicity/Genotoxicity:	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.		
Effects on or via lactation:	Lack of data.		
Specific target organ toxicity (single exposure):	Based on available data, the classification criteria are not met.		
Specific target organ toxicity (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:  
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:  
Not applicable.
- 12.6 Other adverse effects:  
No further relevant information available.

## SECTION 13. Disposal considerations

- 13.1 Waste treatment methods:  
Dispose of contents/container to in accordance with local/regional/national/international regulations.

## SECTION 14. Transport information

- 14.1 UN number: Void
- 14.2 UN proper shipping name: Void
- 14.3 Transport hazard class(es): Void
- 14.4 Packing group: Void

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- 14.5 Environmental hazards: No further relevant information available.  
14.6 Special precautions for user: Not applicable.  
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:  
Not applicable.

## SECTION 15. Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
- EU REGULATIONS: See Section 2
  - Other regulations, limitations and prohibitive regulations:  
The product is a medical device according to the EC-directive 93/42/EEC.
- 15.2 Chemical safety assessment:  
A Chemical Safety Assessment has not been carried out.

## SECTION 16. Other information

This product is intended for use by dental professionals. (instrument/material)

### Relevant phrases:

- H301 Toxic if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.

### Abbreviations and acronyms:

- EINESC: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative