



# SAFETY DATA SHEET

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Merssage Plus

Printing date: May 9, 2024

## 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)  
Not applicable.
- 2.2 Label elements  
LABEL IN ACCORDANCE WITH (EC) NO.1272/2008  
Void  
HAZARD-DETERMINING COMPONENTS OF LABELLING  
Void  
SIGNAL WORD  
Void  
HAZARD STATEMENTS  
Void  
PRECAUTIONARY STATEMENTS  
Void
- 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.

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Dangerous components:		
Cas:151-21-3 EINECS: 205-788-1	Sodium dodecyl Sulphate	0.5-1 %
	Flam. Sol. 2, H228; Acute Tox. 4, H302+H332 Skin Irrit. 2, H315; Eye Dam. 1, H318 STOT SE 3, H335; Aquatic Chronic 3: H412	
Cas: 7681-49-4 EINECS: 231-667-8	Sodium fluoride	0-0.5 %
	Acute Tox. 3, H301; Skin Irrit. 2, H315 Eye Irrit. 2, H319	
Cas: 8028-48-6 EINECS: 232-433-8	Orange Oil Sicilian	0-0.5 %
	Flam. Liq. 3, H226; Asp. Tox. 1: H304 Skin Irrit. 2, H315; Skin Sens. 1, H317 Aquatic Acute 1: H400; Aquatic Chronic 1, H410	
Others: Glycerin [Cas No.56-81-5, EINECS 200-289-5]		40-50 %

3.3 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. Seek medical attention if irritation or symptoms persist.

### 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.

### 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.

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- 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 TWA: 2.5 mg/m <sup>3</sup> 8 hr	2.5 mg/m <sup>3</sup> (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:

Wear suitable respiratory equipment when necessary.

Skin Protection:

Hand Protection

Chemical resistant gloves

Eye Protection:

Safety goggles

## 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.

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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:

Heat. Moisture.

### 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 hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:	Sodium fluoride; Oral rat	LD50	> 31 mg/kg
	Dermal rat	LD50	175 mg/kg
	Glycerin; Oral rat	LD50	12600 mg/kg
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.		
Eye damage/irritation:	Based on available data, the classification criteria are not met.		
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.		

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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.

## 11.2 Information on other hazards:

No further relevant information available.

## SECTION 12. Ecological information

### 12.1 Toxicity:

	Daphnia EC50/48h	Algae IC50/72h	Fish LC50/96h
Glycerine	10000 mg/l	2900 mg/l	5000 mg/l
Sodium fluoride	98 mg/l	900 mg/l	300 mg/l

### 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 Endocrine disrupting properties:

This product does not contain any known or suspected endocrine disruptors.

### 12.7 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 or ID number:

Void

### 14.2 UN proper shipping name:

Void

### 14.3 Transport hazard class (es):

Void

### 14.4 Packing group:

Void

### 14.5 Environmental hazards:

No further relevant information available.

### 14.6 Special precautions for user:

Not applicable.

### 14.7 Maritime transport in bulk according to IMO instruments:

Not applicable.

## SECTION 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

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- 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).

### 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

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