



# SAFETY DATA SHEET

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Merssage Fine

Printing date: May 9, 2024

## SECTION 1. Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier  
Trade Name:  
**Merssage Fine**
- 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  
P273 Avoid release to the environment.
- 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: 84929-31-7 EINECS: 284-515-8	Lemon Oil Sicilian BP	0.5-1 %
	Flam. Liq. 3, H226; Asp. Tox. 1, H304	
	Skin Irrit. 2, H315; Skin Sens. 1, H317	
	Repr. 2, H361; Aquatic Chronic 2, H411	
Cas: 151-21-3 EINECS: 205-788-1	Sodium dodecyl Sulphate	0-0.5 %
	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	
Others: Calcium carbonate [Cas No. 1317-65-3, EINECS 471-34-1]		10-30 %
Glycerin [Cas No. 56-81-5, EINECS 200-289-5]		10-30 %

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.
- 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.

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## 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)
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 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

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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: | Glycerin;          | Oral | rat | LD50 | 12600 mg/kg |
|                 | Calcium carbonate; |      |     |      |             |
|                 |                    | Oral | rat | LD50 | 5000 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.
- 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.

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## SECTION 12. Ecological information

### 12.1 Toxicity:

	Daphnia EC50/48h	Algae IC50/72h	Fish LC50/96h
Calcium carbonate	1 mg/l	72 mg/l	10 mg/l
Glycerine	10000 mg/l	2900 mg/l	5000 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:

- 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).

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## Abbreviations and acronyms:

EINECS: 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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