

Material Safety Data Sheet

according Directive 91/155 EEC

Important: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product.

1. Identification of the substance/preparation and company

- 1.1. **Product Name:** ResiCem (paste)
- 1.2. **Company:**
Shofu Dental GmbH
Am Brüll 17
D-40878 Ratingen
Phone No. +49(0)2102/8664-0 Fax-No. +49(0)2102/8664-64
- 1.3. **Emergency Phone No.**
+49(0)2102/8664-20

2. Composition/information on ingredients

Compositions given are typical values, not specifications.

2.1. Ingredients	<i>A paste</i>	<i>B paste</i>	Symbol	risk-phrases	CAS-No.
UDMA					72869-86-4
Triethylenglycol dimethacrylate					109-16-0
2-Hydroxyethyl methacrylate	≐ 1 %	≐ 5 %	Xi	irritant	[868-77-9]
Glass Filler (Fluoro-alumino-silicate glass)					65997-18-4
Acryl adhesive monomer	N/A				
Amorphous fumed silica					7631-86-9
DL-Camphorquinone	N/A				10373-78-1
Others					

Hazardous ingredients are not included

3. Hazard identification

- 3.1. **For the user:** Contact may cause irritation to skin and eyes
- 3.2. **Environmental hazard:**

4. First aid measures

- 4.1. **Inhalation:**
- 4.2. **Skin contact:** Wash immediately with plenty of water and mild soap
- 4.3. **Eye contact:** Flash with flowing water and consult physician if necessary
- 4.4. **Ingestion:** Consult physician if necessary

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5. Fire-fighting measures

- 5.1. **Extinguisher method:** foam, CO₂, dry chemical
- 5.2. **Not useful method:**
- 5.3. **Special exposure hazards arising:** In case of fire, do not breath fumes and gases (Irritating gases and fumes may emit)
- 5.4. **Special equipment for fire-fighting:** Wear fire protective cloth and self-contained breathing apparatus if necessary

6. Accidental release measures

- 6.1. **Personal precautions:** Avoid contact with eyes and skin
- 6.2. **Environmental precautions:** Dispose according to local, state, and federal regulations
- 6.3. **Methods for cleaning up** Wipe up and discard in a suitable container

7. Handling and storage

- 7.1. **Handling:** Avoid inhalation of grindings and prolonged skin and eyes contact with uncured resin
- 7.1.1. **Precautions for safe handling:**
- 7.2. **Storage:** Store in a cool and dark area (Keep refrigerated when not in use)
- 7.2.1. **Precautions for storage rooms:**
- 7.2.2. **Storage of incompatible materials:**
- 7.2.3. **Special storage conditions:** Do not expose to sunlight or heat

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8. Exposure controls/personal protection

8.1.	Exposure controls:	ACGIH TLV. None assigned
8.1.1.	MAK:	
8.2.	Respiratory protection:	Not required (use dust mask while grinding or finishing)
8.3.	Hand protection:	Protective gloves (latex or rubber)
8.4.	Eye protection:	Safety goggles (may be required)
8.5.	Skin protection:	Not required

9. Physical and chemical properties:

9.1.	Appearance	paste	Colour	colored	Odour:	sweet
9.2.	PH:					
9.3.	Boiling point:		N/A			
9.4.	Melting point		N/D			
9.5.	Flash point		N/A			
9.6.	Explosion limits:		Lower:		Upper:	
9.7.	Relative density:		1.8		(water=1)	
9.8.	Vapour density:					
9.9.	Solubility:		water solubility: insoluble			
9.10.	Viscosity:					
9.11.	Others:					

10. Stability and reactivity:

10.1.	Conditions to avoid:	Visible light and high temperature
10.2.	Materials to avoid:	Strong oxidizing materials
10.3.	Hazardous decomposition products:	Will not occur
10.4..	Others:	

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11. Toxicological information:

11.1. Acute Toxicity:	LD50= Rodent-rat (oral)	5050mg/kg (as 2-HEMA)
	LD50= Rodent-rat (intraperiton)	1250mg/kg (as 2-HEMA)
	LD50= Rodent-mouse (oral)	3275mg/kg (as 2-HEMA)
11.1.1. Ingestion:		
11.1.2. Inhalation:		
11.1.3. Skin contact:		
11.1.4. Eye contact:		
11.2. Chronic effects:		
11.2.1.		
11.2.2.		
11.2.3.		
11.2.4.		
11.2.5.		

12. Ecological information:

13. Disposal conditions:

13.1. Material:	Dispose in accordance with local, state and federal regulations
13.2. Packaging:	

14. Transport information:

N/A

15. Regulatory information:

16. Other information:

Handling of product exclusively by dental specialists according to instructions for use

N/D: No data

N/A: Not applicable

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Some of the information presented and conclusions drawn herein are from sources other than direct test-data on the product itself.

The contents and format of this MSDS are in accordance with EEC Commission Directive 91/155 /EEC.

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The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

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