

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

PermaCem 2.0

Print date: 25.11.2011

MSDS: 1060

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

Identification of the substance or mixture

PermaCem 2.0

Company/undertaking identification

Company name:	DMG Chemisch-Pharmazeutische Fabrik GmbH		
Street:	Elbgaustraße 248		
Place:	D-22547 Hamburg		
Telephone:	+49. (0) 40. 84006-0	Telefax:	+49. (0) 40. 84006-222
Internet:	www.dmg-dental.com	e-mail:	info@dmg-dental.com

2. Hazards identification

Classification

Indications of danger : Irritant
R-phrases:
Irritating to eyes, respiratory system and skin.
May cause sensitization by skin contact.

3. Composition/information on ingredients

Chemical characterization (Mixture)

chemical characterization (preparation): Acrylate.-resin. Silicon dioxide.

4. First aid measures

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Immediately get medical attention.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons

High power water jet.

6. Accidental release measures

Personal precautions

Provide adequate ventilation. Wear suitable protective clothing.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods for cleaning up/taking up

Collect mechanically.

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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7. Handling and storage**Handling****Advice on safe handling**

Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

Storage**Requirements for storage rooms and vessels**Keep container tightly closed in a cool, well-ventilated place.
Store only in original container.**8. Exposure controls/personal protection****Exposure limit values****Exposure controls****Protective and hygiene measures**

Take off immediately all contaminated clothing. When using do not eat or drink.

Respiratory protection

The following must be prevented: inhalation.

Hand protection

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber).

Eye protection

Tightly sealed safety glasses.

9. Physical and chemical properties**General information**

Physical state:	Paste
Colour:	yellow
Odour:	like: ester

Important health, safety and environmental information**Changes in the physical state**

	Test method
Boiling point:	> 180 °C
Zersetzungspunkt:	> 180 °C
Flash point:	95 °C
Vapour pressure: (at 20 °C)	1 hPa
Density:	1,8 g/cm ³
Water solubility: (at 20 °C)	60 g/L
Vapour density:	> 1

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10. Stability and reactivity**Conditions to avoid**

heat. Light.
Decomposition takes place from temperatures above: 180 °C

Materials to avoid

Keep away from strong acids, leachates, heavy metal salts and reducing materials.

Hazardous decomposition products

Can be released in case of fire: Gas / vapours, irritant. (Acrylate., pungent)

11. Toxicological information**Acute toxicity**

x

Irritation and corrosivity

x

Sensitizing effects

May cause sensitization by skin contact.

Additional information on tests

Contains Methacrylic esters.: May produce an allergic reaction.

12. Ecological information**Persistence and degradability**

Do not empty into drains or the aquatic environment. Leakage into the environment must be prevented.
Preparation not tested.

13. Disposal considerations**Advice on disposal**

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.
Paste: Carry out a burning of hazardous waste according to official regulations.

Waste disposal number of waste from residues/unused products

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing dangerous substances
Classified as hazardous waste.

14. Transport information**Other applicable information**

Not a hazardous material with respect to these transportation regulations.

15. Regulatory information**Labelling**

Danger symbols: Xi - Irritant

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Xi - Irritant

Hazardous components which must be listed on the label

Methacrylic esters.

R phrases

- 36/37/38 Irritating to eyes, respiratory system and skin.
43 May cause sensitization by skin contact.

S phrases

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of Water and soap. .
03/07 Keep container tightly closed in a cool place.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

16. Other information**Full text of R-phrases referred to under sections 2 and 3**

- 36/37/38 Irritating to eyes, respiratory system and skin.
43 May cause sensitization by skin contact.

Further Information

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)