

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 15.07.2009

Revision: 15.07.2009

1 Identification of substance· **Product details**· **Trade name: PMMA prov.**· **Application of the substance / the preparation** Auxiliary for manufacture of dental prothesis· **Manufacturer/Supplier:**Heraeus Kulzer GmbH
Grüner Weg 11, D-63450 Hanau

Tel.: 0800 4372522

· **Informing department:**

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· **Emergency information:** Call +49 30 19240 (24 hours).**2 Hazards identification**· **Hazard designation:**

Xi Irritant

· **Information pertaining to particular dangers for man and environment**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 43 May cause sensitisation by skin contact.

· **Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition/information on ingredients· **Chemical characterization**· **Description:** -· **Dangerous components:**

CAS: 80-62-6	methyl methacrylate	Xi, F; R 11-37/38-43	>1%
EINECS: 201-297-1			

· **Additional information** For the wording of the listed risk phrases refer to section 16.**4 First aid measures**· **After inhalation** Supply fresh air; consult doctor in case of symptoms.· **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.· **After swallowing**

Rinse out mouth and then drink plenty of water.

Seek immediate medical advice.

5 Fire fighting measures· **Suitable extinguishing agents**

Use fire fighting measures that suit the environment.

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

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- **Special hazards caused by the material, its products of combustion or flue gases:**
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:**
Wear self-contained breathing apparatus.
Wear full protective suit.
- **Additional information -**

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Avoid causing dust.
Use breathing protection against the effects of fumes/dust/aerosol.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Send for recovery or disposal in suitable containers.
- **Additional information:**
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 Handling and storage

- **Handling**
 - **Information for safe handling:**
Wear protective equipment. Keep unprotected persons away.
Prevent formation of dust.
Provide suction extractors if dust is formed.
Please observe the additional instructions in the product's instructions for use."
 - **Information about protection against explosions and fires:** No special measures required.
- **Storage**
 - **Requirements to be met by storerooms and containers:** No special requirements.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** None.

8 Exposure controls and personal protection

- **Components with critical values that require monitoring at the workplace:**

80-62-6 methyl methacrylate

WEL	Short-term value: 416 mg/m ³ , 100 ppm Long-term value: 208 mg/m ³ , 50 ppm
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- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
 - **General protective and hygienic measures**
Wash hands during breaks and at the end of the work.
 - **Breathing equipment:**
Use a mask with particle filter in case of dust generation.
Filter P3.
 - **Protection of hands:**
Synthetic gloves
PVC gloves
Plastic gloves
 - **Eye protection:** Use safety goggles when grinding.

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Trade name: **PMMA prov.**· **Body protection:** Light weight protective clothing

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9 Physical and chemical properties:· **General Information**

- **Form:** Solid.
- **Colour:** Different according to colour
- **Smell:** Odourless

· **Change in condition**

- **Melting point/Melting range:** Not determined
- **Boiling point/Boiling range:** Not applicable

· **Flash point:** > 250°C· **Ignition temperature:** 400°C· **Self-inflammability:** Product is not selfigniting.· **Danger of explosion:** Product is not explosive.· **Density at 20°C** 1.19 g/cm³· **Solubility in / Miscibility with**

- **Water:** Insoluble

10 Stability and reactivity

- **Conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of composition:** None
- **Additional information:** -

11 Toxicological information

- **Acute toxicity:**
 - **Primary irritant effect:**
 - **on the skin:** No irritant effect.
 - **on the eye:** No irritant effect.
 - **Sensitisation** May cause sensitisation by skin contact.

13 Disposal considerations

- **Product:**
 - **Recommendation**
Smaller quantities can be disposed with household garbage.
Disposal must be made according to official regulations.
- **Uncleaned packagings:**
 - **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
 - ADR/RID-GGVS/E Class: -
- **Maritime transport IMDG/GGVSea:**
 - IMDG/GGVSea Class: -
 - Marine pollutant: No
- **Air transport ICAO-TI and IATA-DGR:**
 - ICAO/IATA Class: -
- **Transport/Additional information:** -

15 Regulatory information

- **Designation according to EC guidelines:**
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
 - **Code letter and hazard designation of product:**
Xi Irritant
 - **Hazard-determining components of labelling:**
methyl methacrylate
 - **Risk phrases:**
43 May cause sensitisation by skin contact.
 - **Safety phrases:**
24 Avoid contact with skin.
37 Wear suitable gloves.
 - **Special designation of certain preparations:**
Contains methyl methacrylate, dibenzoyl peroxide. May produce an allergic reaction.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**
 - 11 Highly flammable.
 - 37/38 Irritating to respiratory system and skin.
 - 43 May cause sensitisation by skin contact.
- **Contact:**
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email: ruediger.thiele@heraeus.com
 - * **Data compared to the previous version altered.**

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