

# Material Safety Data Sheet

According to 91/155 EEC

Printing date 29.03.2006

Reviewed on 26.08.2004

## 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Dentaplast KFO Powder
- **Article number:** 540 0018 3, 540 0018 5, 540 0018 7
- **Application of the substance / the preparation**  
Monomer/polymer sprinkling acrylic for fabricating orthodontic appliances
- **Manufacturer/Supplier:**  
Bredent  
Weißenhörner Straße 2  
D-89250 Senden  
Tel.: +49 (0) 7309/872-0  
Fax: +49 (0) 7309/872-24
- **Further information obtainable from:** R & D
- **Information in case of emergency:** Tel.: +49 (0) 6132-84436 (24 h)

## 2 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description**  
9003-42-3 Polymer based on ethyl methacrylate
- **Identification number(s)**

## 3 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:** Not applicable.

## 4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately 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. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.

## 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:** Wear self-contained respiratory protective device.

## 6 Accidental release measures

- **Person-related safety precautions:**  
Ensure adequate ventilation

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- Particular danger of slipping on leaked/spilled product.
- Wear protective clothing.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**
  - Pick up mechanically.
  - Dispose of the material collected according to regulations.
- **Additional information:** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of dust.
- **Information about fire - and explosion protection:**
  - Protect against electrostatic charges.
  - Keep respiratory protective device available.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - The usual precautionary measures are to be adhered to when handling chemicals.
  - Wash hands before breaks and at the end of work.
  - Do not eat, drink, smoke or sniff while working.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Protective gloves

- **Material of gloves**
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses

### 9 Physical and chemical properties

#### · General Information

<b>Form:</b>	Powder balls
<b>Colour:</b>	White

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<b>Odour:</b>	Sweetish
<b>· Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.
<b>· Flash point:</b>	Not applicable.
<b>· Flammability (solid, gaseous):</b>	Product is not flammable.
<b>· Danger of explosion:</b>	Product does not present an explosion hazard.
<b>· Density at 20°C:</b>	1.18 g/cm <sup>3</sup>
<b>· Solubility in / Miscibility with water:</b>	Insoluble.
<b>Organic solvents:</b>	0.0 %
<b>· Solids content:</b>	100.0 %

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** ethyl methacrylate

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.  
The substance is not subject to classification according to the latest version of the EU lists.

### 12 Ecological information

- **General notes:** Generally not hazardous for water

### 13 Disposal considerations

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

### 14 Transport information

- **Maritime transport IMDG:**
- **Marine pollutant:** No

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### **15 Regulatory information**

· **Labelling according to EU guidelines:**

*The substance is not subject to classification according to EU lists and other sources of literature known to us.*

*Observe the general safety regulations when handling chemicals.*

### **16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Department issuing MSDS:** R & D

· **Contact:** R & D

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