

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 29.03.2006

Reviewed on 06.09.2004

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

- **Product details**
- **Trade name:** Dentaplast kfo tinsel
- **Article number:** 540 0018 9, 540 0019 0, 540 0019 1, 540 0019 2, 540 0019 3, 540 0019 4, 540 0019 5
- **Application of the substance / the preparation**  
Colored tinsels allowing individual design of orthodontic appliances.
- **Manufacturer/Supplier:**  
Bredent  
Weißenhorners 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**  
tinsels from polyethylene-terephthalate.
- **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.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
Water spray  
Foam  
Fire-extinguishing powder
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
Carbon monoxide (CO)
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Pick up mechanically.

(Contd. on page 2)

GB

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 29.03.2006

Reviewed on 06.09.2004

Trade name: *Dentaplast kfo tinsel*

(Contd. of page 1)

· **Additional information:** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Prevent formation of dust.  
Keep away from heat and direct sunlight.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Dust can combine with air to form an explosive mixture.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Store in dry conditions.

### 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.  
Do not inhale dust / smoke / mist.  
Do not eat, drink, smoke or sniff while working.
- **Respiratory protection:** Use suitable respiratory protective device when high concentrations are present.
- **Protection of hands:** Not required.
- **Material of gloves:** void.
- **Penetration time of glove material:** void.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

### 9 Physical and chemical properties

#### · General Information

**Form:** Chips  
**Colour:** Different according to colouring  
**Odour:** Odourless

#### · Change in condition

**Melting point/Melting range:** ca. 175°C  
**Boiling point/Boiling range:** Undetermined.

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Product is not flammable.

(Contd. on page 3)

GB

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 29.03.2006

Reviewed on 06.09.2004

Trade name: *Dentaplast kfo tinsel*

(Contd. of page 2)

- |  |  |
|--|--|
| · <b>Danger of explosion:</b>                    | <i>Product does not present an explosion hazard.</i> |
| · <b>Density at 20°C:</b>                        | <i>1.38 g/cm<sup>3</sup></i>                         |
| · <b>Solubility in / Miscibility with water:</b> | <i>Insoluble.</i>                                    |

### 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:**  
*Hydrocarbons*  
*Carbon monoxide and carbon dioxide*

### 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.*

### 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

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

### 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*

GB