

# 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.

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· **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.

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

### 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

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