

Safety Data Sheet (EC) No. 1907/2006

1. Product- and Company Identification

<u>Trade name:</u>	DC DUR cold (powder), art. No. 714141
<u>Manufacturer:</u>	DC Dental Central Großhandelsges.mbH Carl-Zeiss-Str.2 D-22946 Trittau, Germany
<u>Further information obtainable from:</u>	Tel.: +49 (0)4154/8437 0 Fax: +49 (0)4154/8437 33
<u>Information in case of emergency:</u>	Same as above.

2. Composition/information on ingredients

Chemical characterization						
<u>Description:</u> Compomere based on methyl methacrylate						
Hazardous ingredients:						
<u>Description:</u>	<u>CAS No.:</u>	<u>EINECS:</u>	<u>INDEX-No.</u>	<u>Symbols:</u>	<u>R phrases</u>	<u>Conc.%</u>
Benzoyl peroxide	94-36-0	202-327-6	617-008-00-0	E, Xi	R 2-36-43	<1

3. Hazards identification

May cause sensitization on skin contact.
--

4. First aid measures

<u>After Inhalation:</u>	In case of inhalation remove casualty to fresh air and allow to rest. If irritation persists seek medical device.
<u>After skin contact:</u>	In case of contact with skin wash off immediately with soap and water. If skin irritation occurs, seek medical advice.
<u>After eye contact:</u>	In case of contact with eyes rinse thoroughly with plenty of water while keeping the eyelids apart..
<u>After swallowing:</u>	If irritation occurs, seek medical advice.

Safety Data Sheet (EC) No. 1907/2006

5. Fire-fighting measures

Suitable extinguishing media:

Water spray jet, foam, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

Full water jet

Special protective equipment for fire fighting:

Wear self-contained respiratory protective device.

Information for Fire department / Fire-fighters:

Just started fires can still be extinguished with water. As soon as the acrylic started to melt and the viscous mass is on fire this material may behave like burning oil or grease when in contact with water. It is recommended to extinguish the fire with an extinguishing gel such as Hydrex gel.

6. Accidental release measures

Measures for cleaning:

Pick up mechanically and dispose in accordance to government regulations.

7. Handling and storage

Handling

Instructions on safe handling:

Avoid dust formation.

Information on fire and explosion protection:

Take precautionary measures against static discharges. In the event of fire, cool the endangered product with water.

Storage:

Requirements for storage areas and containers:

Store dry. Keep out of direct sunlight.

8. Exposure controls/personal protection

Components or products of decomposition according to point 10, with limit values related to the place of work which require monitoring:

LT value for methyl metacrylate: 210 mg/m³

Maximum limitation category: I

LT value for benzoyl peroxide: 5 mg/m³

Maximum limitation category: I

Remarks:

Y: Danger of damage to unborn children is not to be expected as long as the LT-value does not exceed above mentioned amount.

Safety Data Sheet (EC) No. 1907/2006

<u>General protective and hygiene measures:</u>	Do not inhale dusts. Follow the regular standards of occupational hygiene.
<u>Eye protection:</u>	Wear protective goggles.
<u>Respiratory protection:</u>	Filtering half mask in case of dust formation.
<u>Hand protection:</u>	Wear protective gloves made of butyl rubber, break through time 300 min (EN 374). The selection of gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has to be checked prior to application.
<u>Body protection:</u>	Not necessary.
<u>General information:</u>	Gloves should be changed regularly, especially after over excessive contact with the product. A different type of glove should be considered for each workplace.

9. Physical and chemical properties

<u>Form:</u>	Powder.
<u>Colour:</u>	White or pink or pink with fibres.
<u>Odour:</u>	Odourless.
<u>Softening temperature:</u>	Approx. 102° C
<u>Melting temperature:</u>	Not applicable.
<u>Flash point:</u>	>250° C (Method ASTM-D 1929-68)
<u>Ignition temperature:</u>	>400° C (Method ASTM-D 1929-68)
<u>Self ignition ability:</u>	Not applicable.
<u>Explosion limit:</u>	Not determined.
<u>Vapour pressure at 20° C:</u>	Not applicable.
<u>Density at 20° C:</u>	1,16 g/cm ³
<u>Bulk density at 20° C:</u>	600 to 650 kg/m ³
<u>Solubility in water:</u>	Insoluble
<u>Solubility in oil:</u>	Not determined.
<u>Qualitative solubility:</u>	In esters, ketenes and chlorinated hydrocarbons readily soluble.

Safety Data Sheet (EC) No. 1907/2006

<u>Dynamica viscosity:</u>	Not applicable.
<u>pH value:</u>	Not applicable.

10. Stability and reactivity

<u>Thermal decomposition:</u> >250 °C.
<u>Hazardous reactions:</u> No Hazardous reactions known.
<u>Hazardous decomposition products:</u> None when used as directed. During thermal decomposition combustible, the eyes and respiratory system irritating vapours are formed, consisting mainly of methyl methacrylate.

11. Toxicological information

The following information is related to the component benzoyl peroxide.
<u>Acute oral toxicity:</u> There is no toxicological data available for this product.
<u>Sensitization:</u> Allergic reactions on humans were recorded.
<u>Carcinogenicity:</u> The substance shows tumour promoting properties in animal test.
<u>Additional information:</u> The fine particles contained in the product may cause mechanical irritations on the skin, eyes and mucous membranes.

12. Ecological information

<u>Additional ecological information:</u> Do not allow to enter soil, waterways or waste water.
--

13. Disposal considerations

Product (Components, powder and liquid)
<u>European waste code:</u> 07 02 99
<u>Waste name:</u> Not yet cured acrylic leftovers, compounds or components.
<u>Recommendations:</u> Must be disposed of in accordance with the regulations of the local authorities and the disposal company in a suitable and licensed facility.

Safety Data Sheet (EC) No. 1907/2006

Already cured acrylic leftovers (both components mixed and cured)

European waste code:

17 02 03

Waste name:

other cured acrylic waste

Recommendations:

Can be disposed of in accordance with the regulations of the local authorities and the disposal company in a suitable and licensed facility.

Contaminated packaging

Recommendations:

Can be burned in accordance to local regulations. Dispose decontaminated packaging at local recycling facilities.

14. Transport information

Not a hazardous material according to transportation regulations.

15. Regulatory information

Labelling in accordance to 1999/45/EC:

labelling not required

Additional regulations for compounds according to 1999/45/EC Annex V ch. B:

„Contains benzoyl peroxide. May cause allergic reactions. “

Hazard-determining components of labelling:

not applicable

Hazard symbols:

none

Risk phrases (R-phrases):

not necessary

Safety phrases (S-phrases):

not necessary

National Regulations (for Germany only):

Water hazards class 1 (self assessment)

16. Other information

Supplemental material:

Not applicable because material is only one component of a two-component acrylic system with exactly coordinated catalyst system.

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.