

Safety Data Sheet (EC) No. 1907/2006

1. Product- and Company Identification

<u>Trade name:</u>	DC C&B Varnish&Bond, art. No. 710509
<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
Preparation of acrylic resin. Contains methyl methacrylate

3. Hazards identification

Highly inflammable. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.

4. First aid measures

<u>After inhalation:</u>	Take patient to open air. Let sit down calmly.
<u>After skin contact:</u>	Wash with soap and water.
<u>After eye contact:</u>	Immediately rinse with plenty of water, consult a physician.
<u>After swallowing:</u>	Immediately seek medical device.

5. Fire-fighting measures

<u>Suitable extinguishing agents:</u> CO ₂ , powder, sand, foam.
<u>Not suitable extinguishing agents:</u> Direct jet to water.

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6. Accidental release measures

Person-related safety precautions:

Local exhaust.

Environmental-protection measures:

Do not empty into drains.

Procedures for cleaning / absorption:

Take up mechanically, with inert fluid-binding material.

7. Handling and storage

Handling:

Technical measures:

Keep away from sources of ignition – no smoking.

Take precautionary measures against static discharges. Keep container in a well-ventilated place.

Safe handling advice:

Wear suitable gloves. Avoid contact with eyes.

Storage:

Technical measures:

Keep container in a well-ventilated place.

Storage conditions:

Keep container tightly closed. Keep in a dark, cool place..

8. Exposure controls/personal protection

Engineering measures:

Use only in well-ventilated areas.

Limit values:

MAK-TLC-value (for MMA): 210 mg/m³; 50 ml/m³

„Schwangerschaftsgruppe C“

General protective and hygienic measures:

When using do not drink or eat.

Eye protection:

Goggles

Respiratory protection:

Do not breathe vapour. Breathing mask filter type A.

Hand and skin protection:

Robber gloves

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9. Physical and chemical properties

<u>Form:</u>	Liquid
<u>Colour:</u>	Slightly yellowish
<u>Odour:</u>	Esterlike
<u>Decomposition temperature::</u>	Ca. >100° C
<u>Flash point:</u>	>10°C
<u>Ignition temperature:</u>	>430° C
<u>Explosion properties:</u>	2.1 – 12.5 Vol.%
<u>Density:</u>	Ca. 1.1 g/cm ³
<u>Vapour pressure:</u>	40 mbar / 20° C
<u>Rel. vapour density</u>	>1
<u>Solubility in water:</u>	Ca. 16 g/l / 20° C
<u>pH-value at 20°C:</u>	Not applicable

10. Stability and reactivity

<u>Thermal decomposition:</u>	At ca. 100° C. No decomposition, if handled according to Instructions for use.
<u>Dangerous reactions</u>	None, if handled according to directions.
<u>Conditions to avoid:</u>	Heat, light.
<u>Materials to avoid:</u>	Free radicals, reducing agents, heavy metal ions.
<u>Dangerous decomposition products:</u>	In case of fire acrid acrylic fumes. Cures on exposure to visible or UV-light.

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11. Toxicological information

Acute oral toxicity:

MMA Oral/LD₅₀: >8000 mg/kg (rat)

Acrylate Oral/LD₅₀: >5000 mg/kg (rat)

Irritation of skin:

Irritating on prolonged exposure.

Irritation of eye:

Reddening. Irritating on prolonged exposure.

Sensitization:

Sensitization tests are reported contradictory in the literature.

Additional toxicological effects:

Allergic reactions to methacrylates are possible.

12. Ecological information

Do not discharge into drains or the environment.

Persistence and degradability:

No data available for the preparation.

Degradability of components from ca. 30 % (MMA) to 98 %.

Classification according OECD: not easily degradable, bt potential biologically degradable.

Ecotoxicity:

Fish toxicity LC₅₀: >350 mg/l / 48 h (MMA)

13. Disposal considerations

Waste from residues:

Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

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14. Transport information

Regulations for land (road/ railroad):

GGVSE/ADR/RID class: 3

Packaging group: II

Regulations for sea:

IMDG/GGVSee-code: Class 3

Packaging group: II

EMS Number: 3-07

MFAG: 330

Regulations for air:

ICAO/IATA/DGR Class: 3

Packaging group: II

UN/ID Number: 1247

Additional information:

Proper shipping name: methyl methacrylate monomer, stabilized, solution

15. Regulatory information

Labelling according to international regulations:

Contains methyl methacrylate.

Identification-letter and hazard denotation of the product:

Xi (reizend),



F (leichtentzündlich)

R-phrases:

R 11 Highly flammable.

R 36/37/38 Irritating to eyes, respiratory system and skin..

R 43 May cause sensitization by skin contact.

S-Sätze:

S 9 Keep container in a well-ventilated place.

S 16 Keep away from sources of ignition – no smoking.

S 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

S 28 After contact with skin wash immediately with plenty of water and soap.

S 29 Do not empty into drains.

VbF-class:

A 1

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.