

Safety Data Sheet (EC) No. 1907/2006

1. Product- and Company Identification

<u>Trade name:</u>	DC Top-Metalcem (liquid), art. No. 702225
<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

Liquid preparation based on Methacrylates					
Hazardous Ingredients:					
<u>Description:</u>	<u>CAS-Nr:</u>	<u>Index-No.:</u>	<u>Classification:</u>	<u>R-phrases</u>	<u>Gew.%</u>
Methacrylates	--	607-134-00-4	Xi	R 36/37/38	--

3. Hazards identification

<u>Hazard denotation</u>	Xi irritant
<u>Special hazard for human and environment</u>	R 36/37/38 Irritant to eyes, respiratory system and skin.

4. First aid measures

<u>General information:</u>	Take affected persons into the open air. Take away clothes which are contaminated from the product.
<u>After inhalation:</u>	Supply fresh air; consult doctor in case of symptoms.
<u>After skin contact:</u>	Instantly wash with water and soap and rinse thoroughly. If irritation persist, consult a doctor.
<u>After eye contact:</u>	Rinse opened eye for several minutes under running water. Then consult doctor.
<u>After swallowing:</u>	Call for a doctor, show MSDS.

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5. Fire-fighting measures

Suitable extinguishing agents:

Carbondioxide, Foam, Dry chemical. Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents:

Water

Protective equipments:

Wear self-contained breathing apparatus.

Additional information:

Cool endangered containers with water spray jet.

6. Accidental release measures

Person-related safety precautions:

Look for sufficient ventilation. Avoid contact of skin with hot spilling out liquids. Keep away from ignition sources. Using breathing protection against the effects of fumes/dust/aerosol.

Environmental-protection measures:

Do not allow to enter drainage system, surface or ground water.

Procedures for cleaning / absorption:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal Binders, sawdust). Ensure adequate ventilation. Dispose of contaminated material as waste according to item 13.

7. Handling and storage

Handling:

Good ventilation is recommended.

Information for safe handling:

Keep containers tightly sealed.

Ensure good ventilation/exhaustion at the workplace

Information about protection against explosions and fires:

Keep breathing equipment ready.

Keep ignition sources away – Do not smoke.

Protect against electrostatic charges.

Fumes can combine with air to form an explosive mixture.

Storage:

Requirements to be met by storerooms and containers:

Recommended storage temperature: max. 30°C

Store only in original containers

Avoid light, esp. UV-light. Fill containers only up to 90 %.

Air-oxygen will inhibit polymerisation

Information about storage in one common storage facility:

None

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Further information about storage conditions:
None

8. Exposure controls/personal protection

Additional information about design of technical systems:

Local exhaust ventilation strongly recommended.

Components with critical values that require monitoring at the workplace:

Not required.

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Eye protection: Goggles, Complete face protection, if splash formation is possible

Hand Protective gloves

protection: 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.

Respiratory In case of brief exposure or low pollution use breathing filter apparatus. In case of
protection: intensive or longer exposure use breathing apparatus that is independent of
circulating air.

Filter A

Personal Light-weight protective clothing.
protective
equipment:

Industrial Keep away from foodstuffs, beverages and food. Instantly remove any soiled and
hygiene: impregnated garments. Wash hands during breaks and at the end of the work. Do not
inhale gases / fumes / aerosols.

9. Physical and chemical properties

<u>Form:</u>	Liquid
<u>Colour:</u>	Yellow
<u>Odour:</u>	ester-like
<u>Melting point:</u>	-52° C
<u>Boiling Point</u>	139° C
<u>Steam pressure:</u>	at 100° C <1,3 mbar
<u>Flash point:</u>	169° C

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<u>Density at 20 °C:</u>	1,08 g/cm ³
<u>Relative vapour density:</u>	8.4
<u>Bulk density:</u>	500-600 kg/m ³
<u>Solubility in water/</u> <u>Miscibility with water:</u>	at 20° C 26 g/l
<u>Vinegar-acid-ester:</u>	Soluble
<u>Isopropanol:</u>	Partially soluble
Additional information soluble in most organic solvents.	

10. Stability and reactivity

<u>Materials to be avoided:</u>	Peroxides, Azo-compounds, Amines, etc.
<u>Dangerous products of decomposition:</u>	No, under normal conditions.

11. Toxicological information

<u>Acute toxicity:</u>	LD50 (oral, rat):>5000 mg/kg
<u>After skin contact:</u>	not irritant
<u>After eye contact:</u>	not irritant

12. Ecological information

Behavior in environmental systems:
<u>Components:</u> No uncontrolled contact with environment.
Additional ecological information: Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

13. Disposal considerations

<u>Product:</u> Recommendation: Disposal must be made in according to official legislations.
<u>Uncleaned packagings</u> Recommendation: The paper bags may be recycled.

14. Transport information

Not classified as dangerous goods.

DC Top-Metalcem liquid



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15. Regulatory information

Labelling according international regulations GefStoffV/EG:

The product is to be labelled according to the EG-Rules/GefStoffV.

Identification-letter and hazard denotation of the product:

Xi Irritant

R-Phrases:

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

S-Phrases:

(S 2) (Avoid getting in childrens hands).

S 26 If contacted with eyes rinse immediately with plenty of water.

S 28 If contacted with skin immediately wash with water and soap.

16. Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or any process, unless specified in the text.

This safety data sheet only contains information relating to safety and does not replace any product information or product specification.