

Safety Data Sheet (EC) No. 1907/2006

1. Product- and Company Identification

<u>Trade name:</u>	DC hardener liquid, art. No. 701017
<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 (mixture)					
Hardener for the base-component of dental impressionmaterials based on condensation-curing 2-part silicones.					
Hazardous Ingridients:					
<u>Description:</u>	<u>CAS No:</u>	<u>EINECS:</u>	<u>Classification:</u>	<u>R-phrases</u>	<u>Percentage</u>
Tetraalkylsilicate	--	--	Xi	R 38	50 - <70 %
Diorganotin-dicarboxylate	--	--	Xn	R 48/22-53	10 - <25 %
Tetraorganotin compound	--	--	Xn	R 48/22-62-63-43-52/53	10 - <25 %
Alkanol	--	--	Xn	R 20/21/22-36/38	1 - <5 %
Tetraalkylsilicate	--	--	Xn	R 36/37-20-10	1 - <5 %
For the wording of the listed risk phrases refer to section 16.					

3. Hazards identification

<u>Physico-chemical hazards:</u> See chapter 10.
<u>Human health dangers:</u> See chapter 11.
<u>Environmental hazards:</u> See chapter 12.
<u>Other hazards:</u> None.

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Hazard symbols:



XnHarmful

Contains:

Organotin compounds.

R-phrases:

R 38 Irritating to skin.

R 43 May cause sensitization by skin contact.

R 48/22Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R 62 Possible risk of impaired fertility.

R 63 Possible risk of harm to the unborn child.

4. First aid measures

General information: Change soaked clothing.

After inhalation: Ensure supply of fresh air. In the event of symptoms seek for medical treatment.

After skin contact: When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.

After eye contact: In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

After swallowing: Supply with medical care. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

Advice to doctor: Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media:

Foam. Dry powder. Water spray jet. Carbon dioxide.

Extinguishing media that must not be used:

Full water jet.

Special exposure hazards arising from the substance or preparation itself or combustion products:

Unknown risk of formation of toxic pyrolysis products.

Special protective equipment for firefighters:

Use self-contained breathing apparatus. Do not inhale explosion and/or combustion gases.

Additional information:

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

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6. Accidental release measures

Personal precautions:

Some risk of slipping due to spillage of product. Ensure adequate ventilation. Keep away from all sources of ignition.

Environmental precautions:

Do not discharge into the drains / surface waters / groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers).

Methods for cleaning up:

Take up with absorbent material (e.g. general-purpose binder). Dispose of absorbed material in accordance within the regulations.

7. Handling and storage

Handling:

Advice on safe handling:

Use only in well-ventilated areas.

Advice on protection against fire and explosion:

Keep away from all sources of ignition - Refrain from smoking.

Storage:

Requirements for storage rooms and vessels:

Keep only in original container.

Advice on storage compatibility:

Do not store together with oxidizing agents.

Further information on storage conditions:

Keep container tightly closed. Keep container in a well-ventilated place. Keep in a cool place.

8. Exposure controls/personal protection

Additional advice on system design:

Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored:

not applicable

General protective and hygienic measures:

Avoid contact with eyes and skin. Do not inhale gases/vapours. Do not eat, drink, smoke or take drugs at work. Wash hands before breaks and after work. Use barrier skin cream.

Eye protection:

safety glasses

Respiratory protection:

Breathing apparatus in the event of high concentrations. Short term: filter apparatus, filter A.

Hand protection:

Butyl rubber, > 120 min (EN 374)

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Skin protection: Light protective clothing.

Delimitation and monitoring of the environment exposition:
Not determined.

9. Physical and chemical properties

<u>Form:</u>	Liquid.
<u>Colour:</u>	Colourless / Red.
<u>Odour:</u>	Characteristic.
<u>Melting point:</u>	Not determined.
<u>Boiling point:</u>	Not determined.
<u>Flammability:</u>	Not determined.
<u>Autoignition temperature:</u>	Not determined.
<u>Flash point:</u>	Not determined.
<u>Upper/lower explosion limit:</u>	Not applicable.
<u>Decomposition temperature:</u>	Not determined.
<u>Density:</u>	Approx. 1,0 g/cm ³ at 23° C
<u>Evaporation speed:</u>	Not determined.
<u>Vapour pressure:</u>	Not determined.
<u>Solubility in water:</u>	Immiscible.
<u>Viscosity:</u>	Not determined.
<u>pH-value:</u>	Not applicable.

10. Stability and reactivity

Hazardous reactions:
Reactions with oxidizing agents.

Dangerous decomposition products:
No hazardous decomposition products known.

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11. Toxicological information

<u>Acute toxicity:</u>	Not determined.
<u>Irritant effects on eye & on skin:</u>	Not determined.
<u>Sensitisation:</u>	Not determined.
<u>Subacute / chronic toxicity:</u>	Not determined.
<u>CMR-activity:</u>	Not determined.
<u>Experiences made in practice:</u>	None.
<u>General remarks:</u>	Toxicological data are not available. No classification on the basis of the calculation procedure of the preparation directive.

12. Ecological information

<u>Fish / Daphnia / Bacteria toxicity:</u> not determined
<u>Behaviour in environment compartments:</u> not determined
<u>Behaviour in sewage plant:</u> not determined
<u>Biological degradability:</u> not determined
<u>Chemical (COD) / Biochemical (BOD 5) oxygen demand:</u> not determined
<u>AOX-advice:</u> not applicable
<u>2006/11/EC:</u> not applicable
<u>General information:</u> Ecological data are not available. No classification on the basis of the calculation procedure of the preparation directive.

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13. Disposal considerations

Product:

Dispose of as hazardous waste. For recycling, consult manufacturer.

Waste no. (recommended):

07 07 04

Contaminated packaging:

Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended):

15 01 10

14. Transport information

Classification according to ADR:

no dangerous goods

Classification Code: --

Label: --

ADR LQ: --

ADR 1.1.3.6 (8.6):

Transport category (tunnel restriction code): -

Classification according to IMDG:

not classified as "Dangerous Goods"

EMS: --

Label: --

IMDG LQ: --

Classification according to IATA:

not classified as "Dangerous Goods"

Label: --

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15. Regulatory information

Exposure scenario:

not determined

Chemical safety report:

not determined

Labelling:

The product is classified and labelled in accordance within ECdirectives. This preparation is excluded as medical device from the regulation 1999/45/EEC and TITEL IV of 1907/2006/EEC (REACH).

Special labelling:

not applicable

Authorisation, TITEL VII:

not applicable

Restrictions, TITEL VIII:

not applicable

EEC-REGULATIONS:

1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EC; (2008/47/EC); 453/2010/EC

TRANSPORT- REGULATIONS:

DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2011).

NATIONAL REGULATIONS:

EH40/2005 Workplace exposure limits with amendments October 2007

16. Other information

R-phrases (Chapter 03):

R 10 Flammable.

R 20 Harmful by inhalation.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 36/38Irritating to eyes and skin.

R 36/37Irritating to eyes and respiratory system.

R 38 Irritating to skin.

R 43 May cause sensitization by skin contact.

R 48/22Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R 52/53Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 53 May cause long-term adverse effects in the aquatic environment.

R 62 Possible risk of impaired fertility

R 63 Possible risk of harm to the unborn child

Observe employment restrictions for people:

yes

VOC (1999/13/CE): not applicable

Customs tariff: not determined