


Safety Data Sheet (EC) No. 1907/2006

1. Product- and Company Identification

<u>Trade name:</u>	DC paste hardener, art. No. 701016
<u>Manufacturer:</u>	DC DentalCentral GmbH Owiefeldstraße 6 D-30559 Hannover, 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. 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.
<u>Hazard symbols:</u>  XnHarmful
<u>Contains:</u> Organotin compounds.
<u>R-phrases:</u> R 38 Irritating to skin. R 43 May cause sensitization by skin contact. R 48/22 Harmful: 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.

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3. Composition/information on ingredients

Chemical characterization (mixture)

Hardener for the base-component of dental impression materials based on condensation-curing 2-part silicones.

Hazardous Ingredients:

Description:	CAS No:	EINECS:	Classification:	R-phrases	Percentage
Tetraalkylsilicate	--	--	Xi	R 38	20 - <50 %
Diorganotin-dicarboxylate	--	--	Xn	R 48/22-53	1 - <10 %
Tetraorganotin compound	--	--	Xn	R 48/22-62-63-43-52/53	1 - <10 %

For the wording of the listed risk phrases refer to section 16.

4. First aid measures

<u>General information:</u>	Change soaked clothing.
<u>After inhalation:</u>	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
<u>After skin contact:</u>	When in contact with the skin, clean with soap and water immediately.
<u>After eye contact:</u>	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
<u>After swallowing:</u>	Supply with medical care. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.
<u>Advice to doctor:</u>	Treat symptomatically.

5. Fire-fighting measures

<u>Suitable extinguishing media:</u>	Foam. Dry powder. Water spray jet. Carbon dioxide.
<u>Extinguishing media that must not be used:</u>	Full water jet.
<u>Special exposure hazards arising from the substance or preparation itself or combustion products:</u>	Unknown risk of formation of toxic pyrolysis products.
<u>Special protective equipment for firefighters:</u>	Use self-contained breathing apparatus.
<u>Additional information:</u>	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:

High risk of slipping due to leakage/ spillage of product. Ensure adequate ventilation.

Environmental precautions:

Do not discharge into the drains / surface waters / groundwater.

Methods for cleaning up:

Take up mechanically. Take up with absorbent material (e.g. sand, sawdust, general-purpose binder, diatomaceous earth). 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. Prevent penetration into the ground.

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:

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)

Skin protection:

Light protective clothing.

Delimitation and monitoring of the environment exposition:

Not determined.

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9. Physical and chemical properties

<u>Form:</u>	Pasty.
<u>Colour:</u>	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. 0,98 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

<u>Hazardous reactions:</u> Reactions with oxidizing agents.
<u>Dangerous decomposition products:</u> 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>Senzitisation:</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 06 08

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 EC directives. 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 38 Irritating to skin.

R 43 May cause sensitization by skin contact.

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

R 52/53 Harmful 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