

Safety Data Sheet (EC) No. 1907/2006

1. Product- and Company Identification

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|---|---|
| <u>Trade name:</u> | DC Dublier-Silicone (Component A) & DC Dublier-Silicone Quick (Component A) Art.-No. 714402, 714403, 714404, 714405 |
| <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

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| Chemical characterization |
| <u>Description:</u> Polydimethylsiloxane with functional groups + auxiliaries for addition cross-linking. |

3. Hazards identification

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| None. |
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4. First aid measures

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|-----------------------------|--|
| <u>General Information:</u> | Get medical attention if irritation or other symptoms occur. |
| <u>After inhalation:</u> | Material cannot be inhaled under normal conditions. No special measures required. |
| <u>After skin contact:</u> | Wipe off excess material with cloth or paper. Use a waterless hand cleaner to remove as much of remaining material as possible. Wash with water and soap |
| <u>After eye contact:</u> | Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation. |
| <u>After ingestion:</u> | No special measures required. In cases of sickness seek medical advice and show label if possible. |

5. Fire-fighting measures

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Suitable extinguishing agents:

Water spray, extinguishing powder, alcohol-resistant foam, carbon-dioxide, sand.

Extinguishing media to avoid:

Water-jet.

Special protective equipment for fire fighting:

None.

Protective equipment:

Use respiratory protection independent of recirculated air.

6. Accidental release measures

Person-related safety precautions:

No special measures required.

Measures for environmental protection:

Prevent material from entering sewers or surface waters.

Methods for cleaning up::

Scoop up large quantities after dusting surfaces with sand or Fuller's earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

7. Handling and storage

Handling:

Information for safe handling:

No special protective measures required.

Instructions on fire and explosion protection:

No special precautions against fire an explosion required

Storage:

Requirements to be met by storerooms and receptacles:

None known.

Information about storage of incompatible materials:

Not applicable.

General information for storage:

Keep container tightly closed. Store in a dry and cool place.

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8. Exposure controls/personal protection

Exposure limits:

Maximum airborne concentrations at the workplace: not applicable.

Eye protection:

Recommendation: Protective goggles.

Respiratory protection:

Not required.

Hand protection:

Recommendation: Protective gloves made of butyl rubber. Gloves suitable for up to 60 minutes' use.

General protective and hygienic measures:

Observe general industrial hygiene practices for the handling of chemical substances. Do not drink or eat when handling.

9. Physical and chemical properties

Form:

Liquid.

Colour:

White

Odour:

Odourless

Flash point:

>250° C.

Ignition temperature:

>400° C.

Explosion limits:

Not applicable.

Density at 20° C:

1,1 g/cm³ (DIN 51757)

Vapour pressure:

Not applicable.

Solubility in water:

Virtually insoluble

Dynamic viscosity:

2500 mPa s at 23° C (Brookfield)

pH value:

Approx. 7

10. Stability and reactivity

General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Conditions to avoid:

None known.

Materials to avoid:

None known.

Hazardous decomposition products:

If stored and handled in accordance with standard industrial practices and local regulations where applicable: None known. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150°C (302°F) through oxidation.

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11. Toxicological information

General information:

According to present experience, the material is neither mutagenic, cancerogenic nor teratogenic. The toxicology results listed below are based on tests with a similar material.

Acute toxicity (LD₅₀/LC₅₀-values relevant to classification):

Oral: >5000 mg/kg (rat) (Source: literature)

Dermal: >2008 mg/kg (rat, limit test) (Source: test report)

Primary irritation:

Skin: not irritating (rabbit, source: test report)

Eye: mildly irritating (rabbit, source: test report)

Sensitization:

To skin: not sensitizing (Test method: Magnusson-Kligmann, Guinea pig, source: test report)

Reference points for mutagenic (carcinogenic) potential:

Bacterial Reverse Mutation Test: not mutagenic (source: test report)

Experience with man:

Human patch test: Product displays good compatibility with the skin.

12. Ecological information

Ecotoxicity

No expected damaging effects to water organisms.

Effects in sewage treatment plants (bacteria toxicity: respiration-/ reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

Mobility

Forms thin oil film on surface of water. Absorbed by floating particles. Separation by sedimentation.

Persistence and Degradability

Biodegradation / further information:

Biologically not degradable. Polydimethylsiloxanes are degradable to a certain extent in abiotic processes.

Further information:

Elimination by absorption in activated sludge.

Bio-accumulation potential

Bio-accumulation is not expected to occur.

Other harmful effects

None.

Further ecological information

General information:

No environmental problems expected if handled and treated in accordance with standard industrial practices and local regulations where applicable.

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13. Disposal considerations

Product

Recommendation:

Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations.

Uncleaned packaging

Recommendation:

Containers should be completely emptied before recycling as specified in government regulations. Empty containers should be sent to an approved recycling facility.

14. Transport information

Product is not classified for any mode of transportation.

15. Regulatory information

Warning label (EU):

No labelling required in accordance with hazardous substance ordinance.

16. Other information

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.