

Material Safety Data Sheet according to 91/155/EC

Trade name: DC Sekundenkleber

Effective Date: 01.08.2004

01. Identification of the substance / preparation and of the company / undertaking

Product details:

Name of preparation: DC Sekundenkleber

Manufacturer/Supplier: DC Dental Central GmbH
Carl-Zeiss-Str.2
D-22946 Trittau

Information obtainable from:

Emergency info: +49 (0)4154 84 37 - 0

02. Composition / information on ingredients

Substance	EINECS/ELINCS	CAS	Range (%)	Symbol/R-phrases
1,4-Dihydroxybenzene	204-617-8	123-31-9	0,1 - <1	Xn + N 22-68-41-43-50
Ethyl-2-cyanoacrylate	230-391-5	7085-85-0	80 - <100	Xi 36/37/38
Polymethylmethacrylate		9011-14-7	1 - <20	Xi 36/37/38
Silicone dioxide	231-545-4	7631-86-9	1 - <20	

03. Hazards identification

R 36/37/38:

Irritating to eyes, respiratory system and skin.

R 001:

May produce an allergic reaction.

04. First-aid measures

General information:

Change soaked clothes.

After skin contact:

In case of contact with skin wash off immediately with water and soap. 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 inhalation:

Ensure supply of fresh air. In the event of symptoms refer for medical treatment.

After ingestion:

Rinse out mouth and give plenty of water to drink. Induce vomiting if patient is conscious, seek medical advice. Supply with medical care.

Advice to doctor:

Treat symptomatically.

05. Fire-fighting measures

Suitable extinguishing media:

Water spray jet, carbon dioxide, dry powder, sand.

Extinguishing media which must not be used for safety reasons:

Full water jet.

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

In the event of fire the following can be released:
Carbon monoxide (CO), nitrogen oxides (NO_x),
risk of formation of toxic pyrolysis products.

Special protective equipment for fire fighting:

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

Additional information:

Cool containers at risk with water spray jet.
Collect contaminated fire-fighting water separately,
must not be discharged into the drains.

06. Accidental release measures

Personal precautions:

Use breathing apparatus if exposed to vapours/dust/aerosol.
Forms slippery surfaces with water.
Ensure adequate ventilation. Keep away sources of ignition.

Environmental precautions:

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

Methods for cleaning up:

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, diatomaceous earth). Dispose of absorbed material in accordance with the regulations.

07. Handling and storage

Handling:

Advice on safe handling:

Use solvent-resistant equipment. Use only in well-ventilated areas. Avoid spilling or spraying in enclosed areas.

Advice on protection against fire and explosion:

Highly volatile, flammable components are liberated in processing. Keep away from sources of ignition – refrain from smoking.

Storage:

Requirements for storage rooms and vessels:

Provide solvent-resistant and impermeable floor.
Only use containers that are approved specifically for the substance/product.

Advice on storage compatibility:

Do not store together with oxidizing agents.

Further information for storage:

Keep container in well ventilated place. Keep container tightly closed. Protect from heat/overheating.

08. Exposure controls / personal protection

Additional advice on system design:

Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored:

Substance	Value
1,4-Dihydroxybenzene	LTEL: 2 mg/m ³ , STEL: 4 mg/m ³ (CHAN, ILV, CD157)
Ethyl -2-cyanoacrylate	LTEL: 0,3 ppm, STEL: 1,5 mg/m ³ (90)
Silicone dioxide	LTEL: 6 mg/m ³ (total inhalable dust)

LTEL: Long-term exposure limit, STEL: Short-term exposure limit.

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

Hand protection: Suitable protective gloves, butyl rubber >120 min. (EN 374).

Eye protection: Protective goggles.

Skin protection: Light protective clothing.

General protective measures:

Do not inhale gases/vapours/aerosols.
Avoid contact with eyes and skin.

Hygiene measures: At work do not eat, drink, smoke or take drugs. After work time and before work breaks the affected skin areas must be thoroughly cleaned. Use barrier skin cream.

Delimitation and monitoring of the environmental exposition:
Not determined.

09. Physical and chemical properties

General information:	Physical state / form:	Liquid.
	Colour:	Colourless.
	Odour:	Pungent.

Important information about the protection of health, safety and the environment:
(Method 67/548/EEC)

Flash point:	82°C
Boiling point:	60°C
Flammability:	Not determined.
Ignition temperature:	Not determined.
Lower explosion limit(LEL):	Not determined.
Upper explosion limit(UEL):	Not determined.
Combustible properties:	No.
Vapour pressure:	Not determined.
Density:	1,07 g/ml
Water solubility/miscibility:	Insoluble.
pH value:	Not applicable.
Viscosity (dynamic)	Not applicable.

10. Stability and reactivity

Hazardous reaction: Reactions with strong oxidizing agents.

Hazardous decomposition products:
Irritant gases/vapours.

11. Toxicological information

General information: The product was classified on the basis of the calculation procedure of the preparation directive.
No toxicological data are available.

12. Ecological information

General information: Ecological data are not available.

13. Disposal considerations

Product: Dispose of as hazardous waste.
Waste no. (recommended): 080409*

Contaminated packaging: Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Packaging that cannot be cleaned should be disposed of as for product.

14. Transport information

Land transport GGVSE / ADR and RID:

Road ADR:

Valuation: Not classified as Dangerous Goods.

Railway RID:

Valuation: Not classified as Dangerous Goods.

Inland navigation GGVBinsch / ADNR:

Transport by sea GGVSee / IMDG-Code:

Valuation: Not classified as Dangerous Goods.

Air transport ICAO-TI / IATA-DGR:

Valuation: Not classified as Dangerous Goods.

15. Regulatory information

Labelling hazard symbols: The product is classified and labelled in accordance with EC directives:

Xi Irritant

Contains 1,4-Dihydroxybenzene

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

R 001: May produce an allergic reaction.

S-phrases: S 23.3: Do not breath vapour.

S 24/25: Avoid contact with skin and eyes.

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

S 51: Use only in well-ventilated areas.

S 60: This material and its container must be disposed of as hazardous waste.

Special labelling: Cyanoacrylate! Danger! Bonds skin and eyelids in seconds.
Keep out of reach of children.

National regulations: Not applicable.

16. Other information

R-phrases (information on ingredients 02):

- R 22: Harmful if swallowed.
- R 36/37/38: Irritating to eyes, respiratory system and skin.
- R 41: Risk of serious damage to eyes..
- R 43: May cause sensitisation by skin contact.
- R 50: Very toxic to aquatic organisms.
- R 68: Possible risk of irreversible effects.

Vorschriften:

91/155/EWG (2001/58/EG), 67/548/EWG (2001/59/EG),
1999/45/EG (2001/60/EG), 91/689/EWG (2001/118/EG),
89/542/EWG, 89/686/EWG,
TRG 300, TRGS 200, TRGS 220,
ADR (2003), IMDG Code (31. Amdt.), IATA-DGR (2003).

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.