

Safety Data Sheet (EC) No. 1907/2006

1. Product- and Company Identification

<u>Trade name:</u>	DC Top LC-Löffelplatten (light curing tray material), art. No.: 701050-701057
<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

Dibenzoyl peroxide					
Hazardous Ingredients:					
<u>Description:</u>	<u>CAS-Nr:</u>	<u>Index-No.:</u>	<u>EINECS No.:</u>	<u>R-phrases</u>	<u>Percentage %</u>
Oligomeric urethane acrylate	--	--	--	--	0-10
Vinyl ester resin (acrylates)	--	--	--	--	0-10
Triethylenglykoldimethacrylate	109-16-0	607-114-00-5	203-652-6	--	0-10
Phosphine oxide	--	--	--	--	0-1

3. Hazards identification

<u>Hazard denotation</u>	
Xi	irritant
N	hazardous to environment
<u>Special hazard for human and environment</u>	
R 36/37/38	irritant to eyes, skin and respiratory system
R 50	very toxic for water organism

4. First aid measures

<u>General Advices:</u>	Take off with product contaminated clothes.
<u>After inhalation:</u>	Take person to fresh air.
<u>After skin contact:</u>	Wash off skin with soap and water.
<u>After eye contact:</u>	Rinse eyes an efficient time. Contact ophthalmologist if irritation is persisting.
<u>After swallowing:</u>	Contact a doctor.

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5. Fire-fighting measures

Suitable extinguishing agents:

Foam, Dry powder, carbon dioxide, waterspray-stream, - Adjust fire-fighting-measures to ambiance.

For safety reasons unsuitable extinguishing agents:

Not known

Special protective equipment for fire fighting:

Use conventional measures to combat chemical fires, that means use self-contained breathing apparatus (isolating-unit).

6. Accidental release measures

Personal precautions:

Arrange for fresh air.

Environmental-protection measures:

Do not drain into canalization.

Methods for cleaning / absorption:

Pick up material mechanically. Dispose only complete light cured material. Dispose material under adherence to the local official rules for hazardous wastes.

7. Handling and storage

Handling:

The conventional precautions for works with chemicals are to be adhered. Wear overall while working. Avoid skin contact by using of instruments and minimal-contact-techniques or fine-manual-works wear protection-gloves made of polyethylene for ex. Ehiparat protection-gloves afford protection for approx. 5-10 minutes (based on experiences of the past time/literature). Wash hands before and after work as well as before having a break.

Information about fire- and explosion protection:

No special measures necessary.

Storage:

Storage temperature: cool and dry.

Storage conditions: Beware product container off light

Storage time: 3 years if storage conditions will be kept

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8. Exposure controls/personal protection

Limit values for the exposition at work station and / or biological limit values	
Work station limit values (AGW) Germany	
PNCE and DNCL-Values as to be possibly worked out in a preparation safety report do not exist.	
<u>Eye protection:</u>	Wear protection goggles when working at material
<u>Hand protection:</u>	Sensibilisation: Wearing of applicable protection gloves is recommended. (by experience of the past / literature) for example Ethiparat®-gloves for 5-10 minutes, application of No-touch-Technik, minimal-contact-techniques is recommended
<u>Body protection:</u>	Wear business usual protection clothes.
<u>Respiratory protection:</u>	not necessary
<u>Personal protective equipment:</u>	Pay attention of protection- and hygienic measures. Protection clothes must be stored separately. The usual precaution measures must be attended.
<u>Other protective equipment:</u>	none
<u>Advices for hygienic at work station:</u>	Comply business usual protection- and hygienic measures. Preventive skin protection. Wash hands and skin after finishing work.

9. Physical and chemical properties

<u>Form:</u>	upper jaw and lower jaw pattern kneadable mass
<u>Appearance:</u>	paste-like mass
<u>Colour:</u>	pink, blue, nature
<u>Odour:</u>	acrylates / methacrylates
<u>Flash point:</u>	not available (approx. > 100°C) appreciated by the flash point of the ingredients, no symbol necessary
<u>Density:</u>	not available
<u>Solubility in water:</u>	insoluble in water
<u>pH-value at 20°C:</u>	not available

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10. Stability and reactivity

<u>Conditions to be avoided:</u>	Beware of heat, solar radiation and light impact to avoid early slow polymerization.
<u>Substances to be avoided:</u>	Radical former (product polymerises slowly at contact).
<u>Hazardous decomposition products:</u>	None, if used according to directions.
<u>Further data:</u>	After considerably exceedance of storage time and / or exceedance of storage temperature it is possible that the product starts polymerizing under low heat impact.

11. Toxicological information

<u>After skin contact:</u>	Irritations
<u>After eye contact:</u>	Irritations
<u>After inhalation:</u>	Irritations at respiratory system
<u>Kinetic of the toxic reaction:</u>	According the new Material Safety Data Sheet according to REACH, specifications about kinetic of the toxic reaction, metabolism of the substance and allocation of the substance in the human body must be mentioned at this place. Data for this is not available.
<u>Further information:</u>	The product is to be labelled. By appropriate exposure and conventionally use and to our experiences and informations the product causes no hazardous effects.
<u>Further details:</u>	The product has to handled with the usual care when handling chemicals. Methacrylates may cause allergical reactions.

12. Ecological information

<u>Fish toxicity:</u>	not applicable
<u>Water organism:</u>	not applicable
<u>Bacteria toxicity:</u>	not applicable
<u>Further detail to ecology:</u>	Do not allow product to reach ground water, body of waters or sewage system!
<u>Bioaccumulation potential:</u>	No data available

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Effect of the determination of the PTB- and vPvB-Report:

Endocrine disruption potential

If the material causes hormonal effects or prevents them is unknown to us.

13. Disposal considerations

Substance / Preparation:

To dispose of accordingly with notice of the local regulations of authority.

Disposal key according to AVV regulation:

16 03 05 (organic disposal, that contains hazardous substances)

Package:

Packages that are not contaminated can be recycled.

14. Transport information

Land transport ADR/RID

Classification

Class: - (no hazardous material in terms of transport rules)

UN-Number: -

Classification code: -

Description of the good: Lightcuring tray material

Hazard cause: -

Packaging

Packaging group: not applicable, because it is not a flammable substance

Hazard sheet: not applicable

Limited Quantities: no information

Maritime transport IMDG/GGVSea

Classification

IMDG-Code: -

UN-Number: -

EmS

Marine Pollutant: No

Description of the good: Lightcuring tray material

Hazard cause: -

Packaging

Packaging group: not applicable, because it is not a flammable substance

Hazard sheet: not applicable

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Air transport ICAO-TI and IATA-DGR

Classification

Class: -
UN-Number: -
Description of the good: Lightcuring tray material
Hazard cause: -

Packaging

Packaging group: not applicable, because it is not a flammable substance
Hazard sheet: not applicable

15. Regulatory information

Labelling according EU guidelines:

Code letter and hazard description of the product:



Xi; irritant



N; hazard to environment

Hazard decisive components for the labelling

contains: --

R-Phrases:

R 36/37/38 irritant to eyes, skin and respiratory system
R 50 very toxic for water organism

S-Phrases:

Safety Assessments for substances in this preparation were not executed

National Rules

Water hazard class:

Water Hazard Class: 2 (Estimation on the basis of the ingredients)

16. Other information

Further applicable EG Guidelines

Guideline for preparation (1999/45/EC), at last changed by the guideline 2006/8/EC. Substance Guideline (67/548/EEC), at last changed by the guideline 2006/121 EC. REACH-Guideline (EC) No. 1907/2006.

Manufacturer's suggested application restriction:

Only for commercial use – no public product

Additional Information:

Origin: ¹ <http://www.baua.de>

² <http://www.arbeitssicherheit.de>

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R-phrases on which is referred in chapter 2 and 3:

36/37/38 irritants the eyes, respiratory systems and skin
50 Very toxic for water organism

Changes compared to the last version:

Change of the water hazard class

Some of the information presented and conclusions drawn herein are from sources other than direct test-data on the product itself. The contents and format of this MSDS are in accordance with EEC Commission (EC) No. 1907 / 2006.

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