Material Safety Data Sheet
according to decree (EU) No. 2020 / 878

Revision: 10
Revision Date: 06.06.2024, SW

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product name (product identifiers):

LC Löffelplatten, PINK (REF 5001DT) – manufacturer product: Plaque Photo

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified purpose:
Making of individual impression- and functional trays
Occlusal registration
Precized impression for part- or totalprosthetics

Disadvised uses:
Impressions
Prosthesis Plastic
Filling Material

1.3 Details of the Supplier of the safety data sheet:

Supplier / Distributor
Dentrom GmbH

Street
Bussardweg 18

Zip-Code / Town
D-41468 Neuss, Germany

Phone / E-Mail
+49 162 215 1825 / info@dentrom-gmbh.de

Manufacturer
Dent-a-pharm Produktionsgesellschaft mbH, Schusterring 35, D-25355 Barmstedt, Germany

Contact for technical information (manufacturer)
+49 (0) 41 23 / 9225 0

1.4 Emergency number

Emergency Information (24 hours)
Dr. Wolfgang Willmann
Phone: +49 (0) 170 – 405 30 52

2. Hazards Identification

2.1 Classification of the substance or mixture

According to Regulation (EC) No. 1272/2008:
- Skin sens. 1 (may cause an allergic skin reaction.)

2.2 Label elements

Labelling according to Regulation 1272/2008 (GHS/CLP)



Warning

H317	May cause an allergic skin reaction.
P272	Contaminated work clothing should not wear outside the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302	In contact with skin:
P352	Flush with plenty of water and soap
P333	When skin irritation or rash occurs:
P313	Seek medical advice resp. medical attendance
P362	Take off contaminated clothing and wash before wearing again
P364	wash before wearing again
P501	Ingredients/container have to be disposed in accordance with local/regional/national/international regulations

2.3 Additional hazards:

- Can become warm during light curing process
- Do not use if known allergy against Acrylates and Methacrylates

2.4 Endocrine disrupting properties

The product does not contain any substances, substances or mixtures of substances that have endocrine-disrupting properties.

3. Composition/Information on Ingredients

Chemical characterization:
Hazardous ingredients:

Substance	CAS-No./EC-No. /EG-No.	Content (%)	Labelling
Triethylene glycol di-methacrylate	CAS-No. 109-16-0 EC-No. 203-652-6	2-5	Skin sens. 1 B, H 317
Phosphine oxide	CAS-No.: 75980-60-8 EG-No.: 278-355-8	0,05-0,09	Repr 2, H361f Suspected carcinogenic effect in humans; Probably harmful to fertility, probably harmful to the unborn child. Aqu. chron. 3, H412 chronically hazardous to the aquatic environment
Vinylester resin	CAS No.: 55818-57-0	5-8	Skin sens. 1 B, H 317
2,2-dimethoxy-2-diphenylacetophenone	CAS-No.24650-42-8 EC-No. 246-386-6	< 0,1	H400 Aquatic Acute 1, H410 Aquatic Chronic 1
Camphorquinone	CAS-No. 10373-78-1	< 0,1	H319 Eye Irrit. 2, H335 STOT SE 3, H315 Skin Irrit. 2
Dimethylhydroxy-acetophenone	CAS-No. 7473-98-5 EC-No. 231-272-0	< 0,1	Skin Sens. 1, H317 Acute Tox. 4 Aquatic Acute
2-ethylhexyl-4-(dimethylamino)benzoate	CAS-No. 21245-02-3 EC-No. 244-289-3	< 0,1	Eye Irrit. 2, H319 Aquatic Acute, H400 Repr. 1B, H360
2,2-Diethoxyacetophenone	CAS-No. 6175-45-7 EC-No. 228-220-4	<0,1	STOT SE 3, H335

4. First-Aid-Measures

4.1 Describtion of first aid measures

If inhaled:
Take person to fresh air.
No further first aid measures are required.

In case of skin contact:
Wash off skin with soap and water and flush with plenty of Water.
Contact a physician if the skin is irritated.

In case of eye contact:
Rinse open eyes an efficient time with plenty of Water.
Contact ophthalmologist if irritation is persisting.

If swallowed:
Seek medical advice immediately.

2 Most important symptoms and effects, both acute and delayed:

Sensitization of skin is possible

4.3 Indication of any immediate medical attention and special treatment needed

Contact physician if sensitization of skin is persisting

5. Fire-Fighting-Measures

5.1 Extinguishing media

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

For safety reasons unsuitable extinguishing media:
none

5.2 Special hazards arising from the substance or mixture

Particular danger through the product itself, its combustion products or gases are not known.

5.3 Advice for fire-fighters

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

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Arrange for fresh air.

6.2 Environmental protection measures:

Do not drain into canalization.

6.3 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.

6.4 Reference to other sections

None

7. Handling and Storage

7.1 Precautions for safe handling:

Recommendation:
The conventional precautions for works with chemicals are to be adhered.
Wear overall while working.

Information about fire- and explosion protection:
No special measures necessary

7.2 Conditions for safe storage, including any incompatibilities

Store at a cool, dry and light protected place.
Storage time: 3 years if storage conditions will be kept

7.3 Specific end use(s)

Wear gloves while working.
Good ventilation during grinding the cured material is recommended.

8. Exposure Controls/Personal Protection

8.1 Control parameters

None known
PNCE and DNCL-Values as to be possibly worked out in a preparation safety report do not exist.

8.2 Exposure controls

Personal protective equipment:
Pay attention of protection- and hygienic measures. Protection clothes must be stored separately. The usual precaution measures must be attended.

Breathing protection:	not necessary
Eye protection:	Wear protection goggles when working at material
Hand protection:	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
Body protection:	Wear business usual protection clothes.
Other protection measures:	none
Advices for hygienic at work station:	Comply business usual protection- and hygienic measures. Preventive skin protection. Wash hands and skin after finishing work.

9. Physical and chemical Properties

9.1 Information on basic physical and chemical properties

All Information are for the Acrylate Resin, exept point a

Appearance:	upper and lower jaw pattern, kneadable mass
Odour/Flavour:	acrylates / methacrylates
Odour Threshold:	no data available
pH-value:	no data available
Melting point/freezing point:	no data available
Initial boiling point and boiling range:	no data available
Flash point:	not available (approx. > 100°C) appreciated by the flash point of the ingredients
Evapouration rate	no data available
Flammability:	no data available
Upper/lower flammability or explosive limits:	no data available
Vapour pressure:	no data available
Vapour density:	no data available
Relative density:	no data available
Water solubility:	unsoluble in water
Partition coefficient: n-Octanol/water:	no data available
Auto ignition temperature:	no data available
Decomposition temperature:	no data available
Viscosity:	no data available
Explosive properties	no data available
Oxidizing properties	no data available

9.2 Other safety information

No data available

10. Stability and reactivity

10.1 Reactivity

Product polymerizes slowly by contact with Sunlight or other Light

10.2 Chemical stability

If protected against heat, solar radiation and light the material is chemical stable.

10.3 Possibility of hazardous reactions

No hazardous heat emission during slow polymerizing

10.4 Conditions to avoid

Protect against Sunlight, heat and other light to avoid slowly polymerization.

10.5 Incompatible materials

Protect against radical formers to avoid slowly polymerization

10.6 Hazardous decomposition products

None, if used according to directions.

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

11.1 Information of toxicological effects

Acute Toxicity
According to the single ingredients the mixture is not acute toxic

Skin corrosion/irritation
Based on the available data, the classification criteria are not met.

Serious eye damage/eye irritation
Based on the available data, the classification criteria are not met.

Respiratory or skin irritation
Based on the available data, the classification criteria are not met.

Sensitization
Based on the available data, the classification criteria are not met.

Toxicity – repeated exposure
Based on the available data, the classification criteria are not met.

Germ cell mutagenicity
Carcinogenicity
Based on the available data, the classification criteria are not met.

Mutagenicity
Based on the available data, the classification criteria are not met.

Reproductive toxicity
Based on the available data, the classification criteria are not met.

Kinetic of the toxic reaction
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 .

Further Information
The product is to be labelled. By appropriate exposure and conventionally use and to our experiences and informations the product causes no hazardous effects.
The product has to be handled with the usual care when handling chemicals. Methacrylates may cause allergical reactions.

11.2 Information about other hazards

11.2.1 **Endocrine disrupting properties**
The product does not contain any substances or mixtures of substances that have endocrine disrupting properties.

11.2.2 **Other informations**
Other adverse health effects are not known.

12. Ecological information

12.1 Toxicity

Fish toxicity: no data available for this mixture
Water organism: no data available
Bacteria toxicity: no data available

12.2 Persistance and degradability

The ingredients of the mixture are not degradable

12.3 Bioaccumulation potential

No data available

12.4 Mobility in soil

No data available

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

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

12.6 Other adverse effects

No data available

13. Disposal considerations

13.1 Waste treatment methods

To dispose of accordingly with notice of the local regulations of authority.
Do not empty into drains.

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/rules

14.1 UN number

none

14.2 UN proper shipping name

none

14.3 Transport hazard class(es)

none

14.4 Packging group

none

14.5 Environmental hazards

none

14.6 Special precautions for Transport

none

14.7 Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code

no

15. Regulatory Information

15.1 Safety health and environmental/legislation specific for the substances or mixture

GHS-Labelling according to guideline 1272/2008 (GHS/CL)



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15.2 Safety assessment

Safety assessments for substances in this preparation were not executed

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/EWG), at last changed by the guideline 2006/121 EC.
REACH-Guideline (EC) No. 1907/2006, at last changed by the guideline 2020/878 EC.

Manufacturer´s suggested application restriction:
Only for commercial use – no public product

Changes compared to the last version
Change of Labelling according GHS-Labelling

Department issuing MSDS:
Dr. Wolfgang Willmann (Phone: +49 (0) 41 23 – 9228 0)

Additional Information:

Origin: [1] http: //www.baua.de
[2] http: // www.arbeitssicherheit.de

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. 2020 / 878.

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