



Safety data sheet

according to Regulation (EC) No. 2020 / 878

Trade name: Light-curing tray material (pink, blue, natural)

Art.76100, 76110, 76120

Valid from: July 5, 2012 Version: 0

Revised on: July 18, 2023 Version 1.1

Replaces version: 0 from October 06, 2017

Section 1. Name of the substance or mixture and the company

1.1 Product identifier

Light-curing tray material

1.2 Relevant identified uses of the substance/mixture

Production of individual impressions and functional trays in the dental sector. Occlusal registration

Precise impressions in the partial and complete prosthetics

Not to be used as: impression material, denture plastic, filling material

1.3 Details of the manufacturer/supplier providing the safety data sheet

gebdi Dental-Products GmbH

Industriestr.3a

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Tel. +49 (0)7733-9410-16

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1.4 Emergency number

Tel. +49 (0)7733-9410-0

Section 2. Potential dangers

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

-Skin sense. 1B, may cause allergic skin reactions

2.2 Labeling elements according to Regulation (EC) No. 1272/2008

Pictogram(s) and signal word of the product

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Signal word: **Attention**

Hazard determining component for labeling

No

Danger warnings:

- H317 can cause allergic reactions to your skin
- Safety instructions:
 - P102 must be kept out of the reach of children
 - P272 contaminated work clothing outside the workplace
 - P280 Wear protective gloves, protective clothing, eye protection, face protection
 - P302 In contact with skin:
 - P313 Get medical advice/attention
 - P333 If skin irritation or rash occurs:
 - P352 Wash with plenty of soap and water
 - P362 Remove contaminated clothing and Wash
 - P364 before re-wearing

Storage:

- P403 in a well-ventilated place
- P410 Protect from direct sunlight

Disposal:

- P501 Dispose of in accordance with local/national/international regulations

2.3 Other dangers

Heat may be generated during the curing process
Do not use if you are known to be allergic to acrylates and methacrylates.
The product does not contain any substances, substances or mixtures of substances that are endocrine disrupting
have properties.

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Section 3. Composition / information on ingredients

Substance	CAS-Nr./EINECS-Nr./EG-Nr.	Content%	marking
Triethylenglykoldimethacrylat	CAS-Nr.109-16-0 EINECS-Nr.203-652-6	2-5%	Skin Sens 1B, H317 Skin sensitization
Phosphinoxid	CAS-Nr.75980-60-8 EG-Nr.278-355-8	0,1%	Repr2, H361f, may probably affect fertility Aqu Chron.3, H412 chronically hazardous to water chronisch
Vinylesterharz (Acrylat)	CAS-Nr.55818-57-0	5-8%	Skin Sens. 1B, H317 Skin sensitization
2,2-Dimethoxy-2-diphenylacetophenon	CAS-Nr.24650-42-8	0,1%	Aquatic Chronic 1, H410
Campherchinon	CAS-Nr.10373-78-1	0,1%	Skin Irrit.2, H315, H335, STOT SE
Dimethylhydroxyacetophenon	CAS-Nr.7473-98-5 EINECES-Nr.231-272-0	0,1%	Skin Sens.1, H317, Acute Tox.4, Aquatic Acute
2-Ethylhexyl-4-(dimethylamino) benzoat	CAS-Nr.21245-02-3 INECES-Nr.244-289-3	0,1%	Eye Irrit.2, H319, Aquatic Acute, H400 Repr.1B, H360
2,2-Diethoxyacetophenon	CAS-Nr.6175-45-7 EINECS-Nr.228-220-4	0,1%	STOT SE3, H335

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Section 4: First Aid Measures

4.1 Description of the first aid measure

After inhalation

Take the affected person into fresh air.

after skin contact

Wash off with plenty of soap and water. If irritation persists, consult a doctor.

After eye contact

Remove contact lenses. Rinse immediately with plenty of water for a sufficient period of time with the eyelids open. If irritation persists, seek medical attention.

After swallowing

Call in a doctor immediately

4.2 Most important acute and delayed symptoms or effects

Irritation of the skin, eyes and respiratory tract

4.3 Information about immediate medical attention or special treatment

If skin/eye irritation persists, seek medical attention

Section 5. Firefighting measures

5.1 Extinguishing media

Suitable: water spray, foam (alcohol resistant), carbon dioxide, powder, spray mist.

Unsuitable: full water jet

5.2 Special hazards arising from the substance or mixture

There are no known risks posed by the product itself, its combustion products or the resulting gases.

5.3 Advice for firefighting

Staying in the area of danger only with respiratory protection device independent of circulating air.

Cool endangered containers with water spray from a safe distance.

Knock down any escaping vapors with water. Watch out for backfire!

Avoid penetration of extinguishing water into surface water, groundwater and soil.

Avoid skin contact by wearing suitable protective clothing and maintaining a safe distance.

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Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Remove sources of ignition. Ensure adequate ventilation.

Warn/keep away people who are in the danger area. Remove leaky containers rather. Avoid contact with eyes and skin.

6.2 Environmental protection measures

Penetration of product and large amounts of contaminated laundry. /Extinguishing- Avoid water in bodies of water and soil. Cover drains to prevent intrusion.

6.3 Methods and materials for containment and cleaning up

Collect material mechanically, cure in light and dispose of. Under consideration

Dispose of hazardous waste in accordance with local, official hazardous waste regulations.

6.4 Reference to other sections

No references

Section 7. Handling and Storage

7.1 Protective measures for safe handling

Do not leave containers open.

Comply with minimum standards according to TRGS500. This includes general hygiene measures such as:

- Do not eat, drink or smoke in areas where work is taking place
- Wash your hands after use
- Remove contaminated clothing/protective equipment before entering eating areas.

Information about fire and explosion protection

No special measures necessary

7.2 Conditions for safe storage, including any incompatibilities

Information about storage conditions

Cool and dry, closed and protected from light

Requirements for storage rooms and containers

Store in a well-ventilated, dry and cool place. Be sure to avoid direct light/sunlight and high storage temperatures.

7.3 Specific end uses

Application in the dental technology sector. Wear gloves once when working. Ensure good suction when sanding the hardened material.

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Section 8. Limitation and monitoring of exposure / personal protective equipment

8.1 Parameters to be monitored

No

PNCE and DNCL values as used in a chemical safety report that may be prepared

Report needs to be determined are not available.

8.2 Exposure controls and monitoring

Technical measures and the use of suitable work procedures take priority over the use of personal protective equipment. Ensure good ventilation. This can be achieved by local exhaust ventilation or general exhaust ventilation.

Suitable assessment methods to check the effectiveness of the protective measures taken

Measures include metrological and non-measurable determination methods as described in the Technical Rules for Hazardous Substances (TRGS) 402.

Personal protective equipment

Personal protective equipment must be selected specifically for the workplace depending on the concentration and quantity of hazardous substances.

Standard occupational protective clothing is sufficient. Observe protection and hygiene measures.

Respiratory protection

Not required

Hand protection

Raising awareness. Wearing suitable protective gloves (from experience and literature), e.g. Ethiparat gloves. Use of no-touch technology, minimal contact techniques recommended.

Eye protection

Use safety glasses when handling the material

Body protection

Wear standard work clothing

Further protective measures

No

Industrial hygiene

Adhere to standard professional protection and hygiene measures. Preventive skin protection

Wash your hands and face after finishing work

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Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Apart from the appearance, the information only refers to the acrylate resin used

Physical state:	kneadable mass
Color:	varies depending on coloring
Odor:	of acrylates / methacrylates
Vapor pressure (20°C)	not specified
Flammability (solid/gaseous)	not stated
Flash point (°C)	>100°C
Odor threshold	not specified
Solubility	insoluble in water (20°C).
Lower explosion limit	n.a.
Upper explosion limit	n.a.
Oxidizing properties	n.a.
pH value (20°C)	not applicable
Vapor density (20°C)	not specified
Relative density (24°C)	not specified
Boiling start/range (°C)	n.a.
Melting point/freezing point (°C)	not specified
Self-decomposition temperature	not specified
Evaporation rate	not specified
Partition coefficient n-octanol	n.a.
Viscosity, flow time (20°C)	not specified
Viscosity, dynamic. (mPas/20°C)	no information
Decomposition temperature (°C)	not specified
Explosive properties:	not known

9.2 Other information: No further data was determined

n.b. = not determined n.a. = not applicable

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Section 10. Stability and reactivity

10.1 Reactivity

No decomposition when used as intended. Avoid excessive heating. The product may deteriorate slowly when exposed to sunlight and light polymerize.

10.2 Chemical stability

The product is chemically stable when protected from normal environmental conditions (heat, sun, light, room temperature).

10.3 Possible hazardous reactions

There is no excessive heat release when the material polymerizes slowly.

10.4 Conditions to avoid

To avoid premature polymerization, protect from heat, sunlight and light protect against impact.

10.5 Incompatible materials

Product polymerizes upon contact with free radical generators

10.6 Hazardous decomposition products

None when used as intended. The product can be used if the storage time or the recommended limit is significantly exceeded. Polymerize slowly at storage temperature.

10.7 Thermal decomposition

None when used as intended

Section 11. Toxicological information

acute toxicity

Based on the ingredients, the mixture is not acutely toxic

Irritating effect

No irritating effects on the skin, eyes and respiratory system

Raising awareness

Due to the ingredients, skin sensitization cannot be ruled out.

Repeated administration toxicity

No toxicity known from repeated administration

Carcinogenicity

Based on the ingredients, carcinogenicity can be ruled out.

Mutagenicity

Due to the ingredients, mutagenicity can be ruled out.

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Reproductive toxicity

Due to the concentration d. Ingredients can exclude reproductive toxicity. Become Toxicokinetics According to the new safety data sheet according to REACH, information about toxicokinetics, metabolism and distribution of the substance in the body must be listed here. Information on this is not available.

More information

If handled correctly and used as intended, the product does not cause any harmful effects based on available knowledge. Allergic reactions to methacrylates are possible.

11.2.1 Endocrine disrupting properties

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

11.2.2 Other information

Other adverse health effects are not known.

Section 12. Environmental information

12.1 Toxicity

Fish toxicity no data for the mixture

Aquatic organisms no information

Bacterial toxicity no information

12.2 Persistence and degradation work

The substances contained in the mixture cannot be broken down in sufficient time

12.3 Bioaccumulative potential

No data available

12.4 Mobility in the ground

No data available

12.5 Result of the PBT and vPvB assessment

It is not known whether the product triggers or prevents hormonal effects.

12.6 Other Adverse Effects

No data available

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Section 13. Disposal instructions

13.1 Waste treatment methods

If recycling is not possible, waste must be disposed of in compliance with official regulations. Do not allow to enter drains.

Recommendation:

Discuss the exact waste code with the waste disposal company.

Waste code according to the Waste List Ordinance (AVV)

16 03 05 (Organic waste containing dangerous substances)

Packaging-contaminated packaging

Containers that have been completely emptied and have not dried out must be disposed of as containers with harmful residues.

08 01 11 (packaging that contains residues of dangerous substances or is contaminated)

Cleaned packaging

Uncontaminated or cleaned packaging can be recycled.

Section 14. Transport information

14.1 UN number none

14.2 UN proper shipping name

ADR/RID no longer applies

IMDG code/ ICAO-TI/ IATA-DGR

14.3 Transport hazard classes none

14.4 Packaging group omitted

14.5 Environmental hazards/labeling of environmentally hazardous substances

ADR/RID/IMDG code /ICAO-TI/IATA-DGR is omitted

Marine Pollutant is omitted

14.6 Special precautions for the user none

14.7 Transport in bulk according to Annex II of the MARPOL Convention 73/78 and according to IBC Code no

Not dangerous transport goods within the meaning of the transport regulations.

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Section 15. Legislation

15.1 on safety, health/environmental protection/legislation for the substance/mixture

Labeling according to EC Directive: 1272/2008 (GHS/CLP)



Danger

- H317 can cause allergic reactions to your skin
- P102 must be kept out of the reach of children
- P272 contaminated work clothing outside the workplace
- P280 Wear protective gloves, protective clothing, eye protection, face protection
- P302 In contact with skin:
- P313 Get medical advice/attention
- P333 If skin irritation or rash occurs:
- P352 Wash with plenty of soap and water
- P362 Remove contaminated clothing and Wash
- P364 before re-wearing
- P501 Dispose of in accordance with local/national/international regulations

15.2 Chemical safety assessment

The substance/mixture has not been subjected to a safety assessment.

Section 16. Other information

Applicable EC guidelines

Literature references and data sources

Preparations Directive (1999/45/EC), last amended by Regulation No. 2006/8/EC

Substances Directive (67/548/EEC), last amended by Directive 2006/121/EC

REACH Regulation (EC) 1907/2006 last amended by Regulation (EU) No. 2020/878

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Internet

¹<http://www.baua.de>

²<http://publikationen.dguv.de>

²<http://www.arbeitssicherheit.de>

³<http://gestis.itrust.de>

⁴<http://logkow.cristi.nrc.ca>

⁵<http://www.gischem.de>

⁶<http://echa.europa.eu/en/candidate-list-table>

Hazard warnings referred to in sections 2 and 3

H317 can cause allergic reactions to your skin

H361f is suspected to affect fertility

H412 harmful to aquatic life with long lasting effects

Manufacturer recommended usage limit

For commercial use only – not a public product

Changes compared to the last version

Change in labeling according to GHS labeling

Methods in accordance with Article 9 of Regulation (EC) No. 1272/2008 were used to assess the information for the purpose of classification

Physical Hazards: N/A

Health and Environmental Hazards: N/A

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The information in this safety data sheet corresponds to our current state of knowledge and complies with national and EC legislation. The user's stated working conditions are beyond our knowledge and control. The product may not be used for any purpose other than that specified in Section 1 without written permission. The user is responsible for compliance with all necessary legal regulations.

The information in this safety data sheet describes the safety requirements of our product, but does not represent a guarantee of product properties and does not constitute a contractual legal relationship

If this product is used as a component of another product, this information is not applicable.

Legend

ADR	European Agreement for the International Transport of Dangerous Goods by Road
BImSchV	regulation for the implementation of the Federal Immission Control Act
CAS	Chemical Abstracts Service
DIN	standard from the German Institute for Standardization
EC	Effective concentration
EC	European Community
EN	European standard
IATA-DGR	International Air Transport Association-Dangerous Goods Regulations
IBC	Code International code for the construction and equipment of ships Transport of hazardous chemicals in bulk

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ICAO-TI	International Civil Aviation Organization-Technical Instructions
IMDG	Code International Maritime Code for Dangerous Goods
ISO	Standard of International Standards Organization
IUCLID	International Uniform Chemical Information Database
LC	Lethal Concentration
LD	Lethal Doses
Log Kow	partition coefficient between octanol and water
MARPOL	Maritime Pollution Convention = Convention for the Prevention of Pollution from Ships
OECD	Organization for Economic Cooperation and Development
PBT	Persistent, biaccumulative, toxic
RID	regulations for the international carriage of dangerous substances by rail
TRGS	Technical Rules for Hazardous Substances
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and highly bioaccumulative
VwVwS	administrative regulations for water-polluting substances
WGK	water hazard class

Article no.

76100 (pink)

76110 (blue)

76120 (natural)

Customs tariff number

34070000_2

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