

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

1.1 Product identifiers:

Product name:
Light curing tray material

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

Identified uses:

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:

Manufacturer/Company:

President Dental Gmbh

Street:

Zehenstadelweg 7

Zip-Code / Town

München / GERMANY

Contact for technical information

+49 (0) 203 39228772

Phone / Fax / E-mail

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1.4 Emergency Information (24 hours)

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2. Hazards Identification

2.1 Classification of the substance or mixture:

According to Regulation 199/45/EG

- Irritant

According to Regulation (EC) No. 1272/2008:

- Skin sens. 1 (may cause allergical reactions)

2.2 Label elements

Labelling according to regulation (EC) no. 67/548/EWG

Xi R43

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

GHS07 Attention
 H317

2.3 Additional hazards:

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

3. Composition/Information on Ingredients

Chemical characterization:

Hazardous ingredients:

Ingredients	CAS-No./ EINECS-No./ EG-No.	Percentage (%)	Identification
Triethylglykoldi-methacrylate	CAS-No. 109-16-0 EINECS-No.203-652-6	2-5	Xi, R43 Skin Sens. 1B H317
Phosphine oxide	CAS-No. 75980-60-8 EG-No. 278-355-8	0,05 – 0,1	Xn, R62, R52, R53 Repr 2 H361f Aqu. Chron. 3, H412

4. First-Aid-Measures

4.1 Description of first aid measures

If inhaled:

Take person to fresh air.

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.

4.2 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).

5.4 Further information

No data available

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:

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

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

a) Appearance: Form:upper jaw and lower jaw pattern, kneadable mass

Colour:pink, blue, nature

b) Odour/Flavour: acrylates / methacrylates

c) Odour Threshold: no data available

d) pH: no data available

e) Melting point/ freezing point:	no data available
f) Initial boiling point and boiling range:	no data available
g) Flash point:	not available (approx. > 100°C) appreciated by the flash point of the ingredients
h) Evapouration rate	no data available
i) Flammability:	no data available
j) Upper/lower flammability or explosive limits:	no data available
k) Vapour pressure	no data available
l) Vapour density:	no data available
m) Relative density:	no data available
n) Water solubility:	unsoluble in water
o) Partition coefficient: n-Octanol/water:	no data available
p) Auto ignition temperature:	no data available
q) Decomposition temperature:	no data available
r) Viscosity:	no data available
s) Explosive properties	no data available
t) 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

No irritation to skin

Serious eye damage/eye irritation

No irritation to eyes

Respiratory or skin irritation

No irritation to Respiratory or skin

Skin sensitisation

Skin sensitisation possible according to the ingredients

Toxicity – repeated exposure

No Toxicity known after repeated exposure

Germ cell mutagenicity

Carcinogenicity

No carcinogenicity according to the ingredients

Mutagenicity

No mutagenicity according to the ingredients

Reproductive toxicity

No reproductive toxicity according to the concentration of the single components.

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.

Further details:

The product has to handled with the usual care when handling chemicals. Methacrylates may cause allergical reactions.

12. Ecological information

12.1 Toxicity

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

Persistence and degradability

The ingredients of the mixture are not degradable

Bioaccumulation potential:

No data available

Mobility in soil

No data available

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

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

Other adverse effects

No data available

13. Disposal considerations**13.1 Waste treatment methods****Substance / Preparation**

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**

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: -

IMDG: -

IATA: -

Environmentally hazardous substance, hard, n.e.n.

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: none

IMDG: none

IATA: none

14.6 Special precautions for Transport

none

15. Regulatory Information

This safety data sheet complies with the requirements of Regulation (EC) no 1907/2006

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

Labelling according EU guideline no. 67/548/EWG

Code letter and hazard description of the product:



Xi; irritant

R43

Sensitization possible if contact to skin

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



Caution

H317

May cause allergical reactions

15.2 Chemical Safety assessment

For this product a chemical safety assessment was not carried out

Safety Assessments

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

Manufacturer's suggested application restriction:

Only for commercial use – no public product

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

43 Sensitization possible if contact to skin

Changes compared to the last version

Change of Potential Hazards

Change of Labelling according EU guidelines / GHS-Labelling

Department issuing MSDS:

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Additional Information:

Origin: ¹ <http://www.baua.de>

² <http://www.arbeitssicherheit.de>

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Material Safety Data Sheet
according to decree (EC) No. 1907 / 2006



Revision: 10
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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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