

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Commercial product name: Silatray – Light curing tray material

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

Intended purpose: Making of individual impression- and functional trays
Occlusal registration

Disadvised uses:

Precized impression for part- or totalprosthetics
Impressions
Prosthesis Plastic
Filling Material

1.3 Details of the Supplier of the safety data sheet:

Manufacturer/Supplier: SILADENT Dr. Böhme & Schöps GmbH
Street / mailbox: Im Klei 26
Country code. / postal code / city: D - 38644 Goslar
Phone: 0 53 21 / 37 79 – 0
Fax: 0 53 21 / 38 96 32
E-mail / Website: info@siladent.de / www.siladent.de
Further information obtainable from: SILADENT Dr. Böhme & Schöps GmbH

1.4 Emergency telephone number

SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

According to Regulation (EC) No. 1272/2008: H317, Skin sens. 1 B, may cause an allergic skin reaction

2.2 Label elements

GHS labelling according to 1272/2008 (GHS/CLP):



Warning

H317	May cause skin irritations.
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:

Heat may be generated during the curing process.
Do not use if an allergy to acrylates and methacrylates is known.

2.4 Endocrine disrupting properties:

The product does not contain any substances or mixtures of substances with endocrine-disrupting properties.

2.5 Other information:

No other harmful effects on health are known.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation:

Chemical characterisation (Hazardous ingredients of the mixture)

Substance	CAS-no. / EINECS-no. / EG-no.	Content (%)	Labelling
Triethylenglykoldimethacrylate	CAS-No. 109-16-0 EINECS-No.203-652-6	2-5	Skin Sens. 1B H317 Skin sensitisation
Vinylester Resin	CAS Nr. 55818-57-0	5-8	Skin Sens. 1B H317 Skin sensitisation

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation:

Take the affected person out into the fresh air
No further immediate assistance required.

After skin contact:

Wash skin with soap and water and rinse thoroughly.
If skin irritation occurs, consult a doctor.

After eye contact:

Rinse the eyes with water for a sufficiently long time with
the eyelids open.
If irritation persists, consult a doctor.

After ingestion:

Consult a doctor immediately.

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

Irritation of the eyes, skin and respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin or eye irritation persists, consult a doctor.

SECTION 5: Firefighting measures

5.1 Extinguishing agent:

Suitable extinguishing agents:

Foam, extinguishing powder, carbon dioxide, water spray
jet - Adapt fire extinguishing measures to the surroundings.

Unsuitable extinguishing agents for safety reasons:

None known.

5.2 Special hazards arising from the mixture:

Hazards from the product itself, its combustion products or
the resulting gases are not known.

5.3 Instructions for firefighting:

The usual measures for combating chemical fires, i.e.
independent.
Use breathing apparatus (insulating device).

SECTION 6: Accidental release measures

6.1 Personal precautions protective equipment and emergency procedures:

Ensure adequate ventilation.

6.2 Environmental protection measures:

Do not allow to enter the sewage system.

6.3 Methods for cleaning / absorption:

Pick up material mechanically, cure in the light and dispose
of (Dispose of material as hazardous waste in accordance
with local regulations).

6.4 Reference to other sections:

No references.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:	
Recommendation:	The usual precautionary measures for handling chemicals must be observed. Wear a work coat during work.
Information about fire- and explosion protection:	No special measures necessary.
7.2 Conditions for safe storage, including any incompatibilities:	Cool, dry, sealed and protected from light Storage time: 3 years if the storage conditions are observed.
7.3 Specific end use(s):	Wear disposable gloves when working. Ensure good extraction when sanding the hardened material.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:	None known. PNCE and DNCL values, which would have to be determined as part of a chemical safety report that may need to be prepared, are not available.
8.2 Exposure controls	
Personal protective equipment:	Observe protective and hygiene measures. Store protective clothing separately. The usual precautionary measures for handling chemicals must be observed.
Respiratory protection:	Not required.
Eye protection:	Wear safety goggles when working with the material.
Hand protection:	Awareness: Wearing suitable protective gloves (based on past experience/literature), e.g. Ethiparat® gloves for 5-10 minutes, use of no-touch or minimal-contact techniques recommended.
Body protection:	Wear standard work clothing.
Other protection measures:	None.
Hygienic measures:	Observe the usual professional protection and hygiene measures. Preventive skin protection. Wash hands and face after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties.	
Notes:	Apart from the appearance, the specifications only refer to the acrylate resin used.
Appearance:	Colourless upper/lower jaw plates, kneadable, pasty material
Odour:	like mint
Odour Threshold:	not specified
pH-value:	not applicable
Melting point / freezing point:	not specified
Initial boiling point and boiling range:	not specified
Flash point:	according to the flash points of the ingredients

Evaporation rate:	estimated > 100 °C
Flammability:	not specified
Upper/lower flammability or explosive limits:	not specified
Vapour pressure:	not specified
Vapour density:	not specified
Relative density:	not specified
Water solubility:	insoluble in water.
Partition coefficient:	not specified
n-Octanol/water:	
Auto ignition temperature:	not specified
Decomposition temperature:	not specified
Viscosity:	not specified
Explosive properties:	not known
Oxidizing properties:	not known

9.2 Other safety information: None.

SECTION 10: Stability and reactivity

10.1 Reactivity:	The material can polymerise slowly when exposed to sunlight and light.
10.2 Chemical stability:	Protected from heat, sunlight and exposure to light, the material is chemically stable..
10.3 Possibility of hazardous reactions:	Excessive heat dissipation during slow polymerisation of the material does not occur.
10.4 Conditions to avoid:	Protect from heat, sunlight and exposure to light to avoid premature slow polymerisation.
10.5 Incompatible materials:	Protect from radical formers to avoid premature slow polymerisation.
10.6 Hazardous decomposition products:	None when used as intended The product may polymerise slowly with low heat development if the storage time and / or the recommended storage temperature are significantly exceeded.
10.7 Further notes:	None.

SECTION 11: Toxicological information

11.1 Acute Toxicity:	Based on available data, the classification criteria are not met.
Irritant effect on the skin:	The product may cause allergic reactions.
Eye irritation:	Based on available data, the classification criteria are not met.
Irritation of the respiratory organs:	Based on available data, the classification criteria are not met.
Sensitisation:	Based on available data, the classification criteria are not met.

Repeated dose toxicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Mutagenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
Toxicokinetics:	In accordance with the new REACH safety data sheet, information on Toxicokinetics, metabolism and distribution of the substance in the body at this site are listed. We do not have any information on this.
Other information:	None.
11.2 Endocrine disrupting properties:	The product does not contain any substances, substances or mixtures of substances with endocrine-disrupting properties.
11.3 Other information:	When handled properly and used as intended, the product has the following properties According to our experience and the information available to us, there are no harmful effects on health. Allergic reactions to methacrylates are possible.

SECTION 12: Ecological information

12.1 Toxicity:	
Fish toxicity:	No data for the mixture
Aquatic organisms:	not specified
Bacterial toxicity:	not specified
12.2 Persistence and degradability:	The substances contained in the mixture are not degradable in sufficient time.
12.3 Bioaccumulation potential:	No data available.
12.4 Mobility in soil:	No data available.
12.5 Result of the determination of the PTB and vPvB assessment:	It is not known whether the material triggers or prevents hormonal effects.
12.6 Other harmful effects:	No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:	Dispose of properly in accordance with local regulations. Do not allow to enter the sewage system.
Waste code according to the Waste Catalogue Ordinance (AVV):	16 03 05 (organic wastes containing hazardous substances)

Packaging: Non-contaminated packaging can be recycled.

SECTION 14: Transport information

- 14.1 UN number:** None.
- 14.2 UN proper shipping name:** None.
- 14.3 Transport hazard class(es):** None.
- 14.4 Packaging 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.
- 14.8 Notes:** No dangerous goods in the sense of the transport regulations.

SECTION 15: Regulatory information

**15.1 Safety health and environmental/legislation specific for the substances or mixture
GHS labelling according to 1272/2008 (GHS/CLP):**



Warning

H-/P-phrases:

H317

P272

P280

P302

P352

P333

P313

P362

P364

P501

May cause skin irritations.

Contaminated work clothing should not wear outside the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

In contact with skin:

Flush with plenty of water and soap

When skin irritation or rash occurs:

Seek medical advice resp. medical attendance.

Take off contaminated clothing and wash before wearing again.

Wash before wearing again.

Ingredients/container have to be disposed in accordance with local/regional/national/international regulations.

15.2 Safety Assessments:

Safety assessments for substances in this preparation have not been carried out.

SECTION 16: Other information

Applicable EC directives:

Preparations Directive (1999/45/EC), last amended by Directive 2006/8/EC

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

REACH Regulation (EC) No 1907/2006, as last amended by the REACH Regulation

(EU) No 2020/878.

Restriction of use recommended by the manufacturer:

For commercial use only - not a product for the general public.

H-phrases referred to in sections 2 and 3

H317 May cause an allergic skin reaction.

Changes compared to the last version:

Adjustments in accordance with REACH Regulation (EC) 2020/878

Other notes:

Sources:

1 <http://www.baua.de>

2 <http://www.arbeitssicherheit.de>

Some of the information provided here and the resulting conclusions originate from sources that were not determined from direct test data of the product itself. were.

The contents and format of this safety data sheet comply with Regulation (EU) No. 2020 / 878 of the EU Commission.

Warranty limitations:

The information in this safety data sheet has been obtained from sources believed to be reliable. However, this information is provided without any express or implied warranty as to its accuracy.

The conditions or methods of handling, storage, use or application of the disposal of this product are beyond our control, and may be beyond our control of our knowledge.

For this and other reasons, we expressly assume no responsibility for loss, damage to the product, or other costs incurred in connection with The product is not intended for use, storage or disposal.

This safety data sheet has been prepared specifically and expressly for this product only and should only be used for this purpose.

If this product is used as a component of another product, these are Information not applicable.