

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

**1. Chemical Product and Company Identification**

**Product name:**

First-Tray - Lightcuring tray material

**Application of the product:**

Making of individual impression- and functional trays

Occlusal registration

Precized impression for part- or totalprosthetics

**Manufacturer:**

**Servo-Dental GmbH & Co. KG**

**Street:**

Rohrstraße 30

**Zip-Code / Town**

D-58093 Hagen

**Contact for technical information**

+49 (0) 2331/95 91-0

**Phone / Fax / E-Mail**

+49 (0) 2331/95 91-0 / +49 (0) 2331/95 91-25 / [info@servo-dental.de](mailto:info@servo-dental.de)

**Emergency Information (24 hours)**

Landesberatungsstelle für Vergiftungserscheinungen und Embryonaltoxikologie

Pulsstrasse 3-7

D-14059 Berlin

Fon: +49 (0) 30 19240

Fax: +49 (0) 30 32680721

**2. Hazard Identification**

**Potential Hazards:**

irritant – hazardous to environment

Categorization: Xi, R36/37/38

N, R50

**Additional hazard advices for human and environment:**

none

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### **3. Composition/Information on Ingredients**

**Chemical characterization:**

**Hazardous ingredients:**

<b>Ingredients</b>	<b>Cas-No.</b>	<b>EINECS-No.</b>	<b>EG-No.</b>	<b>Percentage (%)</b>
Oligomeric urethane acrylate				0 – 10
Vinyl ester resin (acrylates)				0 – 10
Triethylenglykoldimethacrylate	109-16-0	203-652-6	607-114-00-5	0 – 10
Phosphine oxide				0 - 1

### **4. First-Aid-Measures**

**General Advices:**

Take off with product contaminated clothes.

**After skin contact:**

Wash off skin with soap and water.

**After eye contact:**

Rinse eyes an efficient time. Contact ophthalmologist if irritation is persisting.

**After inhalation:**

Take person to fresh air.

**After swallowing**

Contact a doctor.

### **5. Fire-Fighting-Measures**

**Suitable extinguishing agents:**

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

**For safety reasons unsuitable extinguishing media:**

Not known

**Protective equipment for fire-fighters:**

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.

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**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

For 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 conditions:**

Storage temperature: cool and dry.

Storage conditions: Beware product container off light

Storage time: 3 years if storage conditions will be kept

**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.

**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

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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**

Form: upper jaw and lower jaw pattern kneadable mass  
Appearance: paste-like mass  
Colour: pink, blue, nature  
Odour/Flavour: acrylates / methacrylates

**Safety relevant data:**

Flash point: not available (approx. > 100°C)  
appreciated by the flash point of the ingredients  
no symbol necessary

Density: not available  
Solubility in water: unsoluble in water  
Ph-value: not applicable

**10. Stability and Reactivity**

**Conditions to avoid**

Beware of heat, solar radiation and light impact to avoid early slow polymerization.

**Substances to avoid**

Radical former (product polymerises slowly at contact)

**Hazardous decomposition products:**

None, if used according to directions.

**Further information:**

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**

**Acute Toxicity**

At skin: irritation  
At Eyes: irritation  
At respiratory system: irritation

**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.

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**Further details:**

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

**12. Ecological information**

**Fish toxicity:** not applicable

**Water organism:** not applicable

**Bacteria toxicity:** not applicable

**Further detail to ecology:**

Do not allow product to reach ground water, body of waters or sewage system!

**Bioaccumulation potential:**

No data available

**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 informations/rules**

**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: -

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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

**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

36/37/38 irritant to eyes, skin and respiratory system

50 very toxic for water organism

**Safety Assessments**

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/EWG), at last changed by the guideline 2006/121 EC.

REACH-Guideline (EC) No. 1907/2006

**Manufacturer's suggested application restriction:**

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Only for commercial use – no public product

**Additional Information:**

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

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

**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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