

# Material Safety Data Sheet

## according to Regulation (EU) 2015/830



Revision:12

Revision Date: 2024-08-22

Print Date : 2018-12-20

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

#### 1.1. Product identifier

**Product Name:** NOVATRAY - Light Cure Tray

#### 1.2. Details of the supplier of the safety data sheet

**Company Name:** President Dental GmbH

**Street:** Kesselbodenstrasse 5

**Zip-Code / Town:** 85391, Allershausen

**Web:** www.presidentdental.com

**Contact for technical information:** +49 8166 389 9 820

**Phone / Fax / E-Mail:** +49 8166 389 9 820 / +49 8166 389 9 821 / info@presidentdental.com

#### 1.3. Emergency Telephone Number

+49 89 127 660 (8.00 am – 4.30 pm Mon-Fri)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

According to Regulation 199/45/EG	-Irritant
According to Regulation (EC) No.272/2008:	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. Other Hazards

	Can become warm during light curing process Do not use if known allergy against Acrylates and Methacrylates.
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#### Further Information

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### SECTION 3: Composition/information on ingredients

# Material Safety Data Sheet

## according to Regulation (EU) 2015/830



Revision:12

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Chemical Name	CAS No.	EC No.	Conc. (%w/w)	Classification
Triethylenglykoldi-methacrylate	109-16-0	203-652-6 (EINECS)	2-5	Xi, R43 Skin Sens. 1B H317
Phosphine oxide	75980-60-8	75980-60-8	0,05 – 0,1	Xn, R62, R52, R53 Repr 2 H361f Aqu. Chron. 3, H412

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation	Take person to fresh air.
Eye Contact:	Rinse open eyes an efficient time with plenty of Water. Contact ophthalmologist if irritation is persisting.
Skin Contact:	Wash off skin with soap and water and flush with plenty of Water. Contact a physician if the skin is irritated.
Ingestion	Seek medical advice immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

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#### 4.3. Indication of any immediate medical attention and special treatment needed

	Information not available
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### SECTION 5: Fire Fighting Measures

#### 6.3. Extinguishing media

Suitable extinguishing media:	Foam, Dry powder, carbon dioxide, waterspray-stream. Adjust fire-fighting-measures to ambience
For safety reasons unsuitable extinguishing media:	None

#### 6.3. Special Hazards arising from the substance or mixture

	Particular danger through the product itself, its combustion products or gases are not known
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### 6.3. Advice for firefighters

	Use conventional measures to combat chemical fires, that means use self-contained breathing apparatus (isolating-unit).
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## SECTION 6: Accidental release measures

### 6.1. Personal Precautions, protective equipment and emergency procedures.

	Arrange for fresh air.
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### 6.2 Environmental precautions

	Do not drain into canalization.
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### 6.3. Methods and material for containment and cleaning up

	Pick up material mechanically. Dispose only complete light cured material. Dispose material under adherence to the local official rules for hazardous wastes.
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### 6.4. Reference to other sections

	None
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling:	The conventional precautions for works with chemicals are to be adhered. Wear overall while working.
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### 7.2. Conditions for safe storage, including any incompatibilities.

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

### 7.3. Specific and use(s)

	Wear gloves while working. Good ventilation during grinding the cured material is recommended
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## SECTION 8: Exposure controls/personal protection

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### 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 Control:

Personal protective equipment:	Pay attention of protection- and hygienic measures. Protection clothes must be stored separately. The usual precaution measures must be attended.
Respiratory protection:	Not necessary
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
Eye protection:	Wear protection goggles when working at material
Skin protection:	Wear business usual protection clothes.
Advices for hygienic at work station:	Comply business usual protection- and hygienic measures. Preventive skin protection. Wash hands and skin after finishing work.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appereance	upper jaw and lower jaw pattern, kneadable mass
Colour	pink, blue, nature
Odour	acrylates / methacrylates
Odour Treshold	No data available
Melting point/ Freezing point	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/ lowe flammability or exposure limits	No data available
Initial boiling point/ Boiling range	No data available
pH	Nno data available.
Explosive Properties	Not determined
Relative density	No data available

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Vapour pressure	No data available
Vapour density	No data available
Solubility In Organic Solvent:	Almost completely/ chloroform.
Solubility in water	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 Information

	None
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	Product polymerizes slowly by contact with Sunlight or other Light
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### 10.2. Chemical Stability

	If protected against heat, solar radiation and light the material is chemical stable.
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### 10.3. Possibility of Hazardous Reactions

	No hazardous heat emission during slow polymerizing
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### 10.4. Conditions to avoid

	Protect against Sunlight, heat and other light to avoid slowly polymerization
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### 10.5 Incompatibles materials

	Protect against radical formers to avoid slowly polymerization
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### 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
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## SECTION 11: Toxicological information

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Revision:12

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### 11.1. Information on 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.
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### Further Detail

	The product has to handled with the usual care when handling chemicals. Methacrylates may cause allergical reactions
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## SECTION 12: Ecological information

### 12.1 Toxicity

Fish toxicity	No data available fort his mixture
Water organism	No data available
Bacteria toxicity	No data available

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### 12.2. Persistence and degradability

	The ingredients of the mixture are not degradable
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### 12.3. Bioaccumulative potential

	No data available.
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### 12.4. Mobility in Soil

	No data available.
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### 12.5. Results of PBT and vPvB assessment

	If the material causes hormonal effects or prevents them is unknown to us.
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### 12.6. Other adverse effects

	Information not available
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## SECTION 13: Disposal Considerations

### 13.1. Waste Treatment methods

### 13.2. General Information

Substance / Preparation	To dispose of accordingly with notice of the local regulations of authority. Do not empty into drains.
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### 13.3. Disposal Method

Disposal key according to AVV regulation	16 03 05 (organic disposal, that contains hazardous substances)
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### 13.4. Disposal of packaging

	Packages that are not contaminated can be recycled.
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## SECTION 14: Transport information

### 14.1 UN number

	Not applicable
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### 14.2. UN proper shipping name

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

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing Group

Not applicable

### 14.5. Environmental hazards

None

### 14.6. Special precautions for user



None

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Information not relevant

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Labelling according EU guideline no. 67/548/EWG	Code letter and hazard description of the product:
GHS-Labelling according to guideline 1272/2008 (GHS/CL)	 Xi; irritant R43 Sensitization possible if contact to skin.
	 Caution H317 May cause allergic reactions.



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### 15.2. Chemical safety assessment

	For this product a chemical safety assessment was not carried out
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### 15.3 Safety assessments

	Safety Assessments for substances in this preparation were not executed
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## SECTION 16: Other information

### Further Information

Manufacturer's suggested application restriction: R-phrases on which is referred in chapter 2 and 3: Changes compared to the last version: Department issuing MSDS:  Additional Information:	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  Only for commercial use – no public product  Change of Potential Hazards Change of Labelling according EU guidelines / GHS-Labelling Dr Ahmet Eyyüplü : +49 (0) 89 127 660 240  Origin: 1 <a href="http://www.baua.de">http://www.baua.de</a> 2 <a href="http://www.arbeitssicherheit.de">http://www.arbeitssicherheit.de</a>
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