

# Safety Data Sheet

according to regulation (EU) No. 1907/2006

Rev. 2014-10

## 1. Identification of the substance/preparation and of the company/undertaking

### Information on the product

**Trade name:** pico-tray

#### Company/undertaking identification:

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D-51688 Wipperfürth

www.picodent.de  
Telephone-No. +49 2267 6580-0  
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#### Responsible Department:

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#### Emergency telephone:

picodent GmbH, Wipperfürth

Telephone-No. +49 2267 6580-0

## 2. Hazards identification

#### 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)

#### Label elements

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

Xi R43

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

GHS07 Attention  
H317

#### 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
Triethylenglykoldimethacrylate	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

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## 4. First aid measures

### Description of first aid measures

<b>If inhaled:</b>	Take person to fresh air.
<b>In case of skin contact:</b>	Wash off skin with soap and water and flush with plenty of Water. Contact a physician if the skin is irritated.
<b>In case of eye contact:</b>	Rinse open eyes an efficient time with plenty of Water. Contact ophthalmologist if irritation is persisting.
<b>If swallowed:</b>	Seek medical advice immediately.
<b>Most important symptoms and effects, both acute and delayed:</b>	Sensitization of skin is possible
<b>Indication of any immediate medical attention and special treatment needed</b>	Contact physician if sensitization of skin is persisting

## 5. Fire-fighting measures

<b>Extinguishing media</b>	
<b>Suitable extinguishing media:</b>	Foam, Dry powder, carbon dioxide, waterspray-stream. Adjust fire-fighting-measures to ambiance.
<b>For safety reasons unsuitable extinguishing media:</b>	none
<b>Special hazards arising from the substance or mixture</b>	Particular danger through the product itself, its combustion products or gases are not known
<b>Advice for fire-fighters:</b>	Use conventional measures to combat chemical fires, that means use self-contained breathing apparatus (isolating-unit).
<b>Further information</b>	No data available

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	Arrange for fresh air.
<b>Environmental protection measures:</b>	Do not drain into canalization.
<b>Methods for cleaning / absorption:</b>	Pick up material mechanically. Dispose only complete light cured material. Dispose material under adherence to the local official rules for hazardous wastes.
<b>Reference to other sections</b>	None

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## 7. Handling and storage

**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.

**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

**Specific end use(s)** Wear gloves while working. Good ventilation during grinding the cured material is recommended

## 8. Exposure controls/personal protection

**Control parameters** none  
PNCE and DNCL-Values as to be possibly worked out in a preparation safety report do not exist.

**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

### Information on basic physical and chemical properties

All Information are for the Acrylate Resin, except point a

**Appearance:** Form: upper jaw and lower jaw pattern, kneadable mass  
**Colour:** pink, blue, nature  
**Odour/Flavour:** acrylates / methacrylates  
**Odour Threshold:** no data available  
**pH:** no data available  
**Melting point/ freezing point:** no data available  
**Initial boiling point and boiling range:** no data available  
**Flash point:** not available (approx. > 100°C)  
appreciated by the flash point of the ingredients  
**Evaporation rate** no data available  
**Flammability:** no data available

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**Upper/lower flammability or explosive limits:** no data available  
**Vapour pressure:** no data available  
**Vapour density:** no data available  
**Relative density:** no data available  
**Water solubility:** insoluble 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

**Other safety information:** No data available

## 10. Stability and reactivity

**Reactivity:** Product polymerizes slowly by contact with Sunlight or other Light  
**Chemical stability:** If protected against heat, solar radiation and light the material is chemical stable.  
**Possibility of hazardous reactions:** No hazardous heat emission during slow polymerizing  
**Conditions to avoid:** Protect against Sunlight, heat and other light to avoid slowly polymerization.  
**Incompatible materials:** Protect against radical formers to avoid slowly polymerization  
**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

**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 sensitization:** Skin sensitization 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 .

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**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

### 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

### 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

**UN number**

ADR/RID: -      IMDG: -      IATA: -

**UN proper shipping name**

ADR/RID: -      IMDG: -      IATA: -  
Environmentally hazardous substance, hard, n.e.n.

**Transport hazard class(es)**

ADR/RID: -      IMDG: -      IATA: -

**Packging group**

ADR/RID: -      IMDG: -      IATA: -

**Environmental hazards**

ADR/RID: none      IMDG: none      IATA: none

**Special precautions for Transport**

none

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## 15. Regulatory information

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

**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

**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

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.

### Disclaimer of Liability

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.  
The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.

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