



**01. Identification of the substance / preparation and of the company**

**Product:** Ic tray  
**Registration number:** not applicable  
**Use / Method of operation:** Making of individual impression- and functional trays  
 Occlusal registration  
 Precision impression for partial or total prosthetics  
**Identified use:** Medical device, lightcuring custom tray material  
**Company:** Müller-Omicron GmbH & Co. KG  
 Schlosserstraße 1  
 51789 Lindlar / GERMANY  
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**Responsible:** vsohr@omicron-dental.de

**02. Hazards identification**

<b>Physico-chemical hazards:</b>	See chapter 10
<b>Human health dangers:</b>	See chapter 11. See R-phrases
<b>Environmental hazards:</b>	See chapter 12.
<b>Other hazards:</b>	none
<b>Hazard symbols :</b>	  <b>Irritant    Dangerous for the environment</b>
<b>R-phrases:</b>	R 36/37/38: Irritating to eyes, respiratory system and skin R 50: Very toxic to aquatic organisms

**03. Composition / Information on ingredients**

oligomeric Urethaneacrylate	0 - < 10 %
CAS: -, EINECS/ELINCS: -, EU-INDEX: -, ECBnr: -	
Vinylesterresin (acrylate)	0 - < 10 %
CAS: -, EINECS/ELINCS: -, EU-INDEX: -, ECBnr: -	
Triethylenglykoldimethacrylat	0 - < 10 %
R36/37/38 CAS: 109-16-0, EINECS/ELINCS : 203-652-6, EU-INDEX : 607-114-00-5, ECBnr: -	
Phosphinioxid	0 - < 1 %
CAS: -, EINECS/ELINCS: -, EU-INDEX: -, ECBnr: -	

<b>Description:</b>	Mixture: Acrylates and derivatives
<b>Hazardous Ingredients:</b>	For the wording of the listed risk phrases refer to section 16.

**04. First aid measures**

<b>General information:</b>	Take off with product contaminated clothes.
<b>Inhalation:</b>	Take person to fresh air.
<b>Skin contact:</b>	Wash off skin with soap and water.
<b>Eye contact:</b>	In case of contact with eyes rinse thoroughly with plenty of water. Contact ophthalmologist if irritation is persisting.
<b>Ingestion:</b>	Contact a doctor.
<b>Advice to doctor:</b>	Treat symptomatically.

### 05. Fire-fighting measures

<b>Suitable extinguishing agents:</b>	Water spray-steam. Dry powder. Carbon dioxide. Foam. Adjust fire-fighting measures to ambiance.
<b>Extinguishing media that must not be used:</b>	Not known
<b>Protective equipment for fire-fighters</b>	Use conventional measures to combat chemical fires, that means use self-contained breathing apparatus (isolating-unit).

### 06. Accidental release measures

<b>Personal precautions:</b>	Arrange for fresh air.
<b>Environmental precautions:</b>	Do not allow to enter drains.
<b>Methods for cleaning/asorption :</b>	Pick up material mechanically. Dispose only complete light cured material. Dispose material under adherence to the local official rules for hazardous wastes.

### 07. Handling and storage

<b>Advice on safe handling:</b>	The conventional precautions for works with chemicals are to be adhered. Wear overall while working. Avoid skin contact by using of instruments an minimal-contact-techniques. For fine-manual. works wear protection-gloves made of polyethylene for ex. Ethiparat®-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 before and after having a break.
<b>Advice on protection against fire and explosion:</b>	No special measures necessary.
<b>Requirements for storage rooms and vessels:</b>	Storage temperature: cool and dry and beware product containers off light. Storage time: 3 years if storage conditions will be kept.
<b>Advice on storage compatibility:</b>	Do not store together with oxidizing agents.
<b>Further information on storage conditions:</b>	Keep container tightly closed.

### 08. Exposure controls / personal protection

<b>Limit values for the exposition at work station and / or biological limit values. Work station limit values (AGW) Germany.</b>	PNCE and DNCL-Values as to be possibly worked out in a preparation safety report do not exist.
<b>Personal protective equipment:</b>	Pay attention of protection- and hygienic measures. Protection clothes must be stored separately. The usual precaution measures must be attended.
<b>Breathing protection:</b>	Not necessary
<b>Hand protection:</b>	Allergisation: Wearing of applicable protection gloves, for example Ethiparat®-protection gloves for 5-10 minutes, application of No-touch-technique, minimal-contact-technique is recommended.
<b>Eye protection:</b>	Wear protection goggles when working with the material.
<b>Skin protection:</b>	Wear business usual protection clothes.

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Date printed: 07.06.2011, Revision: 28.05.2008



<b>Other protective measures:</b>	none
<b>Advice for hygienic at work station:</b>	Comply business usual protection and hygienic measures. Preventive skin protection. Wash hands and skin after finishing work.

**09. Physical and chemical properties**

<b>Appearance:</b>	pattern kneadable mass	<b>Density at 23°C [g/ml]:</b>	not determined
<b>Color:</b>	pink, blue, nature	<b>Evaporation speed:</b>	not determined
<b>Odor:</b>	slight characteristic	<b>Vapour pressure [kPa]:</b>	not determined
<b>pH-value:</b>	not determined	<b>Viscosity [mPas]:</b>	not applicable
<b>Boiling point [°C]:</b>	not determined	<b>Solubility in water:</b>	immiscible
<b>Flash point [°C]:</b>	not determined, ca.100	<b>Oxidizing properties:</b>	no
<b>Flammability:</b>	not determined	<b>Melting point [°C]:</b>	not determined
<b>Upper explosion limit:</b>	not applicable	<b>Autoignition temperature:</b>	not applicable
<b>Lower explosion limit:</b>	not applicable	<b>Decomposition temperature:</b>	not applicable

**10. Stability and reactivity**

<b>Conditions to avoid:</b>	Beware of heat, solar radiation and light impact to avoid early slow polymerization.
<b>Substances to avoid:</b>	Radical former (product polymerises slowly at contact)
<b>Hazardous decomposition products:</b>	None, if used according to directions.
<b>Further information:</b>	After considerable exceeding of storage time and / or exceeding of storage temperature it is possible that the product starts polymerizing under low heat impact.

**11. Toxicological information**

<b>Acute toxicity oral / dermal / inhalational:</b>	irritant
<b>Irritant effect on eye:</b>	irritant
<b>Irritant effect on skin :</b>	irritant
<b>Irritant effect on respiratory system:</b>	irritant
<b>Kinetic of the toxic reaction:</b>	No data available about kinetic of the toxic reaction, metabolism and allocation of the substance in the human body.
<b>General remarks:</b>	By appropriate exposure and conventionally use and to our experiences and information the product causes no hazardous effects. Allergic reactions on methacrylates may be possible.

**12. Ecological information**

<b>Fish / Daphnia / Bacteria toxicity:</b>	not determined
<b>Behaviour in environment compartments:</b>	not determined
<b>Behaviour in sewage plant:</b>	not determined
<b>Biological degradability:</b>	not determined
<b>Chemical (COD) / Biochemical (BOD 5) oxygen demand:</b>	not determined

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<b>AOX-advice:</b>	No dangerous components.
<b>2006/11/EC:</b>	not determined
<b>General information:</b>	Endocrinic effects of the product are unknown. Do not discharge product unmonitored into the environment or into the drainage.

**13. Disposal considerations**

<b>Product:</b>	Dispose of as hazardous waste according to the local regulations of authority.
<b>Contaminated packaging:</b>	Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.
<b>Waste no. (recommended):</b>	16 03 05 (organic waste, containing dangerous substances)

**14. Transport information****Classification according to ADR:**

<b>Classification according to ADR:</b>	no dangerous goods
- Classification Code:	-
- Label:	-
- ADR LQ	-
- ADR 1.1.3.6 (8.6):	Transport category (tunnel restriction code): -

**Classification according to IMDG:**

<b>Classification according to IMDG:</b>	not classified as « Dangerous Goods »
- EMS:	-
- Label:	-
IMDG LQ:	-

**Classification according to IATA:**

<b>Classification according to IATA:</b>	not classified as « Dangerous Goods »
- Label:	-

**15. Regulatory information**

<b>Exposure scenario:</b>	not determined
<b>Chemical safety report:</b>	not determined
<b>Labelling:</b>	The product is classified and labelled in accordance with EC-directives. This preparation is excluded as medical device from the regulation 1999/45/EEC and TITLE IV of 1907/2006/EEC (REACH) and accordingly 1272/2008 EC (CLP)
<b>Special labelling:</b>	not applicable
<b>Authorisation, TITLE VII:</b>	not applicable
<b>Restrictions, TITLE VIII:</b>	not applicable
<b>EEC-REGULATIONS:</b>	1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EC (2008/47/EC); 453/2010/EC
<b>TRANSPORT- REGULATIONS:</b>	DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2011).
<b>NATIONAL REGULATIONS:</b>	EH40/2005 Workplace exposure limits with amendments October 2007

**16. Other information**

<b>R-phrases for ingredients (Chapter 03):</b>	R 36/37/38: Irritating to eyes, respiratory system and skin R 50: Very toxic to aquatic organisms
<b>Observe employment restrictions for people:</b>	Observe employment restrictions for people.
<b>VOC (1999/13/EC):</b>	not applicable
<b>Customs tariff:</b>	not determined

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.