

Safety Data Sheet

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

1.1 Product identifier **LC INTERTRAY**

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

Product is used for making of individual impression- and functional trays, occlusal registration and precise impression for part- or total prosthetics.

Disadvised uses: impressions, prosthesis plastic, filling material

1.3 Details of the supplier of the safety data sheet

		<i>Production:</i>
Manufacturer/Supplier:	INTERDENT d.o.o.	INTERDENT d.o.o.
Street:	Opekarniška cesta 26	Dol 1
Country code /Postal code/City:	SI-3000 Celje	SI-3342 Gornji Grad
Telephone:	+386(0) 425-62-00	
Fax:	+368(0) 490-62-02	

1.4 Emergency telephone number

Emergency phone: 112 (EU)
+386(0) 425-62-00 (Mon. – Fri.: 8.00 – 16.00)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008.

Hazard class	Hazard category	Hazard statements
Irritant	1B	H317: May cause allergic reactions.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008:

Hazard pictograms



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Signal word: ATTENTION

Hazard statements:

H317: May cause allergic reactions.

Precautionary statements:

Prevention:

P261 Avoid breathing dust/fumes/gas/mist/vapors/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal:

P501 Dispose of contents/container in accordance with national legislation.

2.3 Other hazards

Can become warm during light curing process

Do not use if known allergy against Acrylates and Methacrylates

PBT and vPvB evaluations are in Section 12.5

SECTION 3: Composition / information on ingredients

Chemical Name	INDEX number EC-Number CAS Nr.	%	Classification according to EC 1272/2008	
			Hazardous class/hazardous category	Hazardous phrases
Triethylenglykol di-methacrylate	/ 203-652-6 109-16-0	2-5	Skin Sens. 1B	H317
Phosphine oxide	/ 278-355-8 75980-60-8	0,05 – 0,1	Repr 2 Aqu. Chron. 3,	H361f H412
Vinylester Resin	/ / 55818-57-0	5 - 8	Skin Sens. 1B	H317

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2,2-Dimethoxy-2-diphenylacetophenon	CAS-Nr. 24650-42-8 EINECS-Nr. 246-386-6	< 0,1 %	Aquatic Chronic 1	H410
Campherchinon	CAS-Nr. 10373-78-1	< 0,1 %	Skin Irrit. 2 STOT SE	H315 H335
Dimethylhydroxyacetophenon	CAS-Nr. 7473-98-5 EINECS-Nr. 231-272-0	< 0,1 %	Skin Sens. 1 Acute Tox. 4 Aquatic Acute	H317
2-Ethylhexyl-4-(dimethylamino)benzoat	CAS-Nr. 21245-02-3 EINECS-Nr. 244-289-3	< 0,1 %	Eye Irrit. 2 Aquatic Acute Repr. 1B	H319 H400 H360
2,2-Diethoxyacetophenon	CAS-Nr. 6175-45-7 EINECS-Nr. 228-220-4	< 0,1 %	STOT SE 3	H335

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Inhalation:

Take person to fresh air.

Skin contact:

Remove contaminated clothing. Wash off with soapy water. Contact a physician if the skin is irritated.

Eye contact:

Wash off open eye with plenty of water. Ask for medical help when difficulties appear.

Ingestion:

Do not induce vomiting. Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

Sensitization of skin is possible.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment. Contact physician if sensitization of skin is persisting.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable:

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

Unsuitable:

Not known

5.2 Special hazards arising from the substance or mixture

Particular danger through the product itself, its combustion products or gases are not known.

5.3 Advice for firefighters

Use conventional measures to combat chemical fires, that means use self-contained breathing apparatus (isolating-unit). Collect contaminated water used for firefighting separately. Do not release it in sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Insure against source of fire and heat. Wear protective equipment. Avoid skin contact and eye contact. Arrange for fresh air.

6.2 Environmental precautions

Do not allow enter sewage system or waters. Prevent soil penetrating.

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.

6.4 Reference to other sections

Safe handling: see section 7. Personal protection equipment: see section 8. Disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

The conventional precautions for works with chemicals are to be adhered. Wear overall protection while working.

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7.2 Conditions for safe storage, including any incompatibilities

Store at a cool, dry and light protected place.

7.3. Specific end use(s)

Product is intended to be used in dental laboratories. Wear gloves while working. Good ventilation during grinding the cured material is recommended

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Council Directive 98/24/EC with all implementations and amendments

Slovenia: Official Gazette RS, No. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18, 78/19

None PNCE and DNEL-Values as to be possibly worked out in a preparation safety report do not exist.

8.2 Exposure controls

Personal protective equipment in accordance with Regulation (EU) 2016/425 and the List of harmonized standards for OVO-2018 / C 209/03.

Personal protective equipment

General protection and hygienic measures:

Pay attention of protection- and hygienic measures. Protection clothes must be stored separately. The usual precaution measures must be attended.

Hand protection:

Sensibilization: Wearing of applicable protection gloves is recommended (EN 374-1:2016). (by experience of the past/literature) for example Ethiparat[®]-gloves for 5-10 minutes, application of No-touch-Technik, minimal-contact-techniques is recommended.

Respiratory system:

not necessary

Skin and body protection:

Wear business usual protection clothes.

Eye protection:

Wearing protective goggles (EN 166:2001).

8.3 Environmental exposure controls

General instructions: Do not flush into surface water or sanitary sewer system.

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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form	Solid
Colour	pink
Odour	Acrylates / methacrylates
pH	n.a.
Density	n.a.
Boiling point	n.a.
Flashpoint	(approx. > 100°C)
Autoignition	No data available
Upper explosion limit	n.a.
Lower explosion limit	n.a.
Oxidative characteristics	n.a.
Vapour pressure	n.a.
Density	n.a.
Solubility in water	n.a.
Partition coefficient: n-octanol/water	n.a.
Viscosity	n.a.
Vapour density	n.a.
Evaporation rate	n.a.

9.2 Other information

No additional information

SECTION 10: Stability and reactivity**10.1 Reactivity**

Product polymerizes slowly by contact with Sunlight or other light.

10.2 Chemical stability

If protected against heat, solar radiation and light the material is chemical stable.

10.3 Possibility of hazardous reaction

No hazardous heat emission during slow polymerizing.

10.4 Conditions to avoid

Protect against Sunlight, heat and other light to avoid slowly polymerization.

10.5 Incompatible materials

Protect against radical formers to avoid slowly polymerization

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10.6 Hazardous decomposition products

None, if used according to directions.

SECTION 11: Toxicological information

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 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.

Further Information:

The product is to be labelled. By appropriate exposure and conventionally use and to our experiences and information 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 allergical reactions.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

The ingredients of the mixture are not degradable.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The substance is not considered to be persistent, bioaccumulative or toxic. The substance is not considered to be very persistent and very bioaccumulative.

12.6 Other adverse effect

No data available

SECTION 13: Disposal considerations

13.1 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.

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SECTION 14: Transport Information

	Land-Road/Railway (ADR/RID):	Inland waterways (ADNR):	Sea (IMDG):
14.1 UN number	No data available		
14.2 UN proper shipping name	No data available		
14.3 Transport hazard class(es)			
14.4 Packing group	No data available		
14.5 Environmental hazards	No data available		
14.6 Special precautions for user	No special precautions		
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	No data available		
Not a dangerous product within the meaning of the transport regulations.			

SECTION 15: Regulatory information

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

Product is classified in accordance with directive EC 1907/2006 and 1272/2008 and additional changes or national legislation Ur.l. RS 101/2002 and Ur.l.RS 16/2008.

15.2 Chemical safety assessment

No data available from component's supplier.

SECTION 16: Other information

Revision:

Version 04 issued on June 2020 in accordance with EC 1907/2006 (Commission Regulation (EU) 2015/830) and EC 1272/2008.

Legend of abbreviations:

ADR – European agreement concerning the international carriage of dangerous goods by road

CAS – Chemical Abstracts Service

CLP – Classification, Labeling and Packaging

CMR – Carcinogenic, Mutagenic or toxic for Reproduction

DNEL - Derived no-effect level

EC₅₀: Half maximal effective concentration

EmS – Emergency Schedule

GHS – Globally Harmonised System of Classification and Labeling of Chemicals

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IATA – International Air Transport Association
IMDG – International Maritime Dangerous Goods Code
LC₅₀: Lethal concentration, 50%
LD₅₀: Median lethal dose; the dose causing 50% lethality
MARPOL – International convention for the prevention of pollution from ships
NOEC - No-observed-effect concentration
OEL - Occupational exposure limit
OECD - Organisation for Economic Co-operation and Development
PBT – Persistent Bioaccumulative Toxic
PNEC: Predicted no-effect concentration
Ppm – parts per million
REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals
RID – Regulation concerning the international carriage of dangerous goods by rail
vPvB – very Persistent and very Bioaccumulative

References:

Safety data sheets of the substances for the product
Directive EC 1907/2006 and 1272/2008 with all amendments and implementations
Council Directive 98/24/EC with all implementations and amendments
Official Gazette RS, No. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18, 78/19;
Directive 2008/98/EC with all amendments, Official Gazette RS 37/15, 69/15.
Martindale: The Extra Pharmacopoeia, 13. edition
European convention about international transport of hazardous material ADR
International Maritime Dangerous Goods Code IMDG

Disclaimer of expressed and implied warranties:

The information contained in the safety data sheet have been translated from the manufacturer, revised in accordance with the Slovenian legislation. Guidelines for the safe use, handling, disposal, storage and transportation and cannot be used as a guarantee. The information relates only to the specific product and is not suitable for combining with other materials or for use in another process as described in the instructions.