

Safety data sheet in accordance with 91/155/EEC

Date of issue: 01.12.2011 Light-Curing Tray Material
Date of revision : 29.03.2012
Valid from: 01.12.2011
Version: 11 **Replaces Version:** 09

1. Identification of the substance and of the company

1.1 Product details

Tradenname: Lichthärtendes Löffelmaterial (Light-Curing Tray Material)
Index-No.: 03-3035 // 03-3045
EG-No.: -----
CAS-No.: 71549-84-3
REACH-Registration No.: void

1.2 Relevant identified uses of the substance

For producing dental trays – for dental use only.

1.3 Details of the supplier providing the safety data sheet:

Supplier / Company name:

al dente Dentalprodukte GmbH

Street:

Am Tobel 15

Postal Zip-Code / City:

D-88263 Horgenzell

Contact for technical information

+49 (0) 7504 – 9 70 91-0

Phone / Fax / E-Mail

07504-9 70 91-0 / 07504-9 70 91-20 / E-Mail: info@aldente.de

1.4 Emergency phone number:

Giftnotruf-Zentrale Baden-Württemberg +49 761-19240

2. Hazards identification

2.1 Classification of the substance

Hazards:

The product is classified as not being hazardous according to directive 1999/45/EC and according to the „General rating principles for formulations of the EC“. The classification corresponds to the current EC-lists and is supplemented by company's descriptions and technical literature.

Additional hazard notes concerning humans and environment:

The non-cured material may cause irritation on skin after direct and intense contact.

2.2 Label elements

**Labelling according to regulation (EG) Nr. 1272/2008 (Stoffe) /
Richtlinie 1999/45/EG (Gemische)**

none

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Hazard pictograms: none

Signalword / Hazard statements: none

Additional labelling: protect from direct light

Hazard notes / R-Phrases

R 36/37/38 Irritant for eyes, skin and respiratory system

Security advice / S-Phrases

none

2.3 Other hazards

3. Composition/information on ingredients:

3.1 Substances

Mixture of various acrylates / methylacrylates, glass beads, photochemical initiators, Vaseline.

3.2 Hazardous components

EINECS.	CAS-Nr.	denomination	interest	classification
	71549-84-3	Urethanacrylate	< 10%	Xi, R36/37/38

4. First aid measures

4.1 Description of first aid measures

In general the polymerized material is non hazardous.

Following inhalation not applicable, material starts boiling over 250°C

Following skin contact wash with water and soap

Following eye contact rinse with a lot of water, in case of continuing symptoms, consult a doctor.

Following ingestion after having swallowed important quantities, induce vomiting – in case of continuing symptoms, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

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5. Firefighting measures

5.1 Extinguishing media

Suitable: Foam, spray of water, carbon dioxide, extinguishing powder
Not suitable: Water in full jet.

5.2 Special hazards arising from the mixture

none

5.3 Advice for firefighters

Respiratory equipment

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid eye contact

6.2 Environmental precautions

Do not empty into drains or waters

6.3 Methods and material for containment and cleaning up

Eliminate mechanically, cure in light and dispose of.

7. Handling and storage

7.1 Precautions for safe handling

**Before working with the material it must not be exposed to the light – then it will polymerize.
The material is for professional use only (dental labs) – keep away from children.**

Advice on general hygiene

Observe standard hygiene measures in handling chemical substances.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Requirements for storage rooms and vessels

Photosensitive material, keep away from light, do not store over 25°C, keep container closed.

storage class: ----

7.3 Specific end uses

For the production of individual dental trays on an insulated plaster model for the production of artificial dentition.

When grinding the cured plate, aspirate abrasive dusts – observe standard hygiene measures.

8. Exposure controls / personal protection

8.1 Control parameters

8.1.1 Occupational exposure limits

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The product does not contain ingredients with occupational exposure limits. Guideline for aspirative dust (TRGS ==): 10 mg/m³

8.2 Exposure controls

8.2.1 Individual protective equipment

Eye- / face protection

Safety glasses

Skin protection

When working with the material (modellation) wear gloves made of latex, PVC or nitrile.

Respiratory protection

When grinding the polymerized plate, provide aspiration.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
- Aggregate state:	Paste
- Colour :	Transparent or pink
Odour:	characteristic
Odour threshold :	n.b.
Solidification point:	< -20°C
Density:	2,1 g/ccm
pH-value :	n.a.
Melting / congelation point :	n.b.
Flash point:	> 150°C
Boiling point:	> 250°C
Flammability:	n.b.
Solubility :	Practically not soluble
Explosive properties:	none
Explosive limit:	none
Vapour pressure:	< 1 hPa bei 20°C
Oxidising properties :	n.b.
Self-ignition	no

10. Stability and reactivity

10.1 Reactivity -----

10.2 Chemical stability -----

10.3 Possibility of hazardous reactions -----

10.4 Conditions to avoid

Direct light

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10.5 Incompatible materials

None, when opposed to light, polymerisation starts.

10.6 Hazardous decomposition products

None, as far as treated according to intended use.

11. Toxicological information

11.1 Information on toxicological effects

In general: The product in question is a preparation according to the regulation of chemicals. The classification was executed according to toxicological data and weights percent of the single components.

Oral: (LD 50): > 5000mg/kg, species rat

Dermal (LD 50): > 2000mg/kg, species rat

Skin irritation: not irritant, time of exposition: 24 h, species rabbit

Eye irritation: possible

Sensitization: not sensitizing, species guinea pig.

In General: Under proper use no damages caused to s.o.'s health are known.

Not causing cancer according to annex II of GefStoffV., not mentioned in annex III of TRGS 900.

Practical experiences: When used properly the product does not cause any damages to health according to the experiences and information available.

12. Ecological information

12.1 Toxicity

Water pollution class: 1 (self-rating) slightly hazardous for waters

12.2 EWC European Waste Catalogue

20 01 39, plastics

12.3 Additional note:

Before dispose of the product should be light cured at the sun or in a light-curing device.

12.4 Mobility in soil -----

13. Disposal considerations

13.1 Waste treatment methods

Under consideration of the local and official directives generally without and special treatment.

Packing disposal

The box is made of polyester and can be recycled or disposed in domestic garbage.

14. Transport information

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14.1 UN-No. No dangerous goods.

14.2 UN-transport denomination

ADR/RID No dangerous goods.

IMDG-Code / ICAO-TI / IATA-DGR

No dangerous goods.

14.3 Transport class of risk No dangerous goods.

14.4 Packing group No dangerous goods.

14.5 Environmental hazards

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: yes / x no

Marine Pollutant: yes / x no

14.6 Special precautions for user: none

15. Regulatory information

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

The product is according to the EC directive 93/45 (medical devices), the product is not subject to specific labelling according to EC directives / GefStoffV.

16. Other information

Abbreviations:

n.a. Not applicable

n.b. Not indicated

Other information concerning the R-phrases as mentioned in chapter 3.2.:

R 36 / 37 / 38 Irritant for eyes, respiratory organs and the skin.

Further information:

This information is based on our present state of knowledge. It should therefore not be construed as guaranteeing specific properties of the products described or their suitability for a particular application. We do not take any responsibility for possible sources of errors or sufficiency of this document. The user of the product accepts the sole responsibility to adhere to all herein mentioned regulations. It is the user's obligation to read this document carefully.
