

EU SAFETY DATA SHEET

Prepared in accordance with the Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), published in the Official Gazette dated June 23, 2017, and numbered 30105.

(Regulation (EC) No: 1907/2006 Registration, Evaluation, Authorization and Restriction of Chemicals (REACH))

DURADENT DURABASE LC BASE PLATE

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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product name (product identifiers):
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1.2 Relevant identified uses of the substance or mixture and uses advised against: Identified purpose:
Making of individual impression- and functional trays
Occlusal registration
Precized impression for part- or totalprosthetics

Disadvised uses:
Impressions Prosthesis Plastic Filling Material

Details of the Supplier of the safety data sheet:

1.3 Manufacturer/Company
ERK DENTAL MEDİKAL TIBBİ MALZ.TUR.SAN.VE TIC.LTD.ŞTİ .
TUNA MAH. SANAT CAD. NO: 17 -211 Bornova/İzmir Türkiye
For urgent inquiries, refer to :info@erkdental.com

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ERK DENTAL :+90 232 458 20 55 (Mon. - Fri.: 8:00/13:00 - 13.30/18:00)

2. Hazards Identification

2.1 Classification of the substance or mixture
According to Regulation (EC) No. 1272/2008:
Skin sens. 1 (may cause allergical reactions)

2.2 Label elements
Labelling according to Regulation 1272/2008 (GHS/CLP)



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Hazard Statement :

H317 may cause skin irritation

Precautionary Statement :

P272 Contaminated work clothing should not wear outside the workplace

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

P302 In contact with skin:

P352 Flush with plenty of water and soap

P333 When skin irritation or rash occurs:

P313 Seek medical advice resp. medical attendance

P362 Take off contaminated clothing and wash before wearing again

P364 wash before wearing again

P501 Ingredients/container have to be disposed in accordance with local/regional/national/international regulations

2.3 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
Tripropylenglykoldi-Acrylate	CAS-No. 42978-66-5 EINECS-No. 256-032-2	2-5	Skin Sens. 1B H317Skin sensitisation
Phosphine oxide	CAS-No. 75980-60-8 EG-No. 278-355-8	0,05 – 0,1	Repr 2 H361f suspected human carcinogen; probablyharmful to fertility, probably damaging effect on the unborn child Aqu. Chron. 3, H412hazardous to the aquatic environment,chronic

4. First-Aid-Measures

4.1 Description of first aid measures If inhaled:

Take person to fresh air.

No further first aid measures are required.

In case of skin contact:

Wash off skin with soap and water and flush with plenty of Water. Contact a physician if the skin is irritated.

In case of eye contact:

Rinse open eyes an efficient time with plenty of Water. Contact ophthalmologist if irritation is persisting.

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If swallowed:

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

Contact physician if sensitization of skin is persisting

5. Fire-Fighting-Measures

5.1 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

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 fire-fighters

Use conventional measures to combat chemical fires, that means use self-contained breathing apparatus (isolating-unit).

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Arrange for fresh air.

6.2 Environmental protection measures:

Do not drain into canalization.

6.3 Methods for cleaning / absorption:

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

None

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7. Handling and Storage

7.1 Precautions for safe handling: Recommendation:

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

7.2 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

7.3 Specific end use(s)

Wear gloves while working.

Good ventilation during grinding the cured material is recommended.

8. Exposure Controls/Personal Protection

8.1 Control parameters

None known

PNCE and DNCL-Values as to be possibly worked out in a preparation safety report do not exist.

8.2 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

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.

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9. Physical and chemical Properties

9.1 Information on basic physical and chemical properties

All Information are for the Acrylate Resin, except point a

Appearance	: upper and lower jaw pattern, kneadable mass
Odour/Flavour	: acrylates / methacrylates
Odour Threshold	: no data available
pH-value	: no data available
Melting point/freezing point and boiling range	: no data available Initial boiling point : 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
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

9.2 Other safety information

No data available

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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 reactions

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

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.

11. Toxicological information

11.1 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 sensitisation

Skin sensitisation possible according to the ingredients

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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 to 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.

The product has to be handled with the usual care when handling chemicals. Methacrylates may cause allergical reactions.

12. Ecological information

12.1 Toxicity

Fish toxicity : no data available for this mixture

Water organism : no data available

Bacteria toxicity : no data available

12.2 Persistence and degradability

The ingredients of the mixture are not degradable

12.3 Bioaccumulation potential

No data available

12.4 Mobility in soil

No data available

12.5 Effect of the determination of the PTB- and vPvB-Report

If the material causes hormonal effects or prevents them is unknown to us.

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12.6 Other adverse effects
No data available

13. Disposal considerations

13.1 Waste treatment methods

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/rules

14.1 UN number none

14.2 UN proper shipping name none

14.3 Transport hazard class(es) none

14.4 Packing group none

14.5 Environmental hazards none

14.6 Special precautions for Transport none

14.7 Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code

No

Road transport : ADR/RID and GGVS/GGVE - not dangerous cargo

Sea transport : IMDG/GGVSea-not dangerous cargo

Air transport : ICAO-TI and IATA-DGR - not dangerous cargo

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15. Regulatory Information

15.1 Safety health and environmental/legislation specific for the substances or mixture
GHS-Labeling according to guideline 1272/2008 (GHS/CL)



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P501 Ingredients/container have to be disposed in accordance with local/regional/national/international regulations

15.2 Safety assessment

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

H317 May cause an allergic skin reaction

Changes compared to the last version

Change of Labelling according GHS-Labeling

Department issuing MSDS: +90 232 458 20 55

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Additional Information:

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The information given in this safety data sheet is based on our current knowledge and experience and describes the product in terms of safety-related requirements. The product-related information in this Safety Data Sheet has been compiled from what is known about the individual ingredients.

This Safety Data Sheet examines the product in terms of safety requirements and does not make any guarantees regarding the product's features.

The data here is valid only when the product is used for its appropriate applications. product other are not sold in accordance with applications - in such a case its use may result in risks not mentioned in this list. Do not use for applications you are considering without consulting the manufacturer.

To the best of our abilities, we have tried to provide correct information in this Safety Data Sheet. All known hazards and information about the product have been tried to be presented to the user. However, every product is likely to present undiscovered hazards. Our company cannot be held responsible for the consequences that may arise beyond our knowledge and control, depending on the place of use and terms of use. We strongly recommend that users read the information presented in this Safety Data Sheet carefully, understand the way of use thoroughly and make them available to authorized persons. It has been prepared and approved by expert personnel within the framework of the regulation on the Preparation of Safety Data Sheets on Hazardous Substances and Mixtures (Official Gazette 13.12.2014-29204).

PREPARED BY

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Certificate Date : 25.12.2020
Valid Untill : 25.12.2025