

SAFETY DATA SHEET

DENTAL COMPOSITE FILLING

It is regulated in accordance with the provisions of the "Republic of Turkey Ministry of Environment and Urbanization, Regulation on Safety Data Sheets for Harmful Substances and Mixtures" dated 13

1. IDENTITY OF THE SUBSTANCE/MIXTURE AND THE COMPANY/BUSINESS OWNER

1.1. Substance – Identity of the mixture

Product Name : COMPOSITE DENTAL FILLING

1.2. Handling of the Substance or Mixture and Its Not Recommended Uses

Use : Dentistry Product

1.3. Safety Data Sheet Supplier's Information

Supplier : FSM Dental MED. MAK. SAN. TIC.LTD.

Ivedik OSB Mah. 1333 Cadde No:11/2

Yenimahalle/ANKARA

info@fsmdental.com

www.fsmdental.com

Contact Person : Nahide Biçer

nahidebicer19@gmail.com/nahide@fsmdental.com

Emergency Phone Number

Company: 0 535 464 67 74

Emergency Medical Services: 112

National Poison Information Center (UZEM) : 114

2. IDENTIFICATION OF HAZARDS

2.1. Classification of Substance and Mixture

Physical and Chemical Hazards: Not classified.

Human Health : Skin Irr. 2 H315, Skin Sensitivity 1 H317, Eye Irr. 2 H319

Environment : Aquatic Chronic 3 H412

2.2. Label Elements

Labeling :



Warning Word : Attention

Hazard Statements : H315 Causes skin irritation.

H317 Causes allergic skin reactions.

H319 Causes serious eye irritation.

H412 Long-lasting, harmful effect on aquatic life.

Precautionary Statements : P261 Avoid inhaling dust/fume/gas/mist/vapour/spray.

SAFETY DATA SHEET

DENTAL COMPOSITE FILLING

It is regulated in accordance with the provisions of the "Republic of Turkey Ministry of Environment and Urbanization, Regulation on Safety Data Sheets for Harmful Substances and Mixtures" dated 13

P264 Wash hands thoroughly after handling.

P272 Do not take contaminated clothing out of the workplace. P273 Avoid release to the environment.

P280 Use Protective gloves/protective clothing/eye protection/face protectives.

P302+P352 IF IN CONTACT WITH SKIN: WASH WITH PLENTY OF SOAP AND WATER

If P305+P351+P338 IF IN CONTACT WITH THE EYE: Rinse with water carefully for minutes. If it is attached and easy to do, remove the contact lenses. Continue to rinse.

P302+P352 IF IN CONTACT WITH SKIN: Wash with plenty of soap and water

P321 Special attention required (see label) P332+P313 In case of skin irritation: Get help/ Get Medical intervention.

P333+P313 In case of skin irritation or itching: Get help/ Get Medical intervention.

P337+P313 If eye irritation persists: Seek medical attention/care. P362 Remove contaminated clothing and wash it before reuse.

P363 Wash contaminated clothing before reuse. P501 Dispose of the contents/container according to national regulations.

2.3. Other Damages

There is no other foreseen danger.

3. INFORMATION ABOUT ITS COMPOSITION/CONTENT

NAME	CAS NO	EC NO	CONCENTRATION (%)	CLASSIFICATION (T.C. 28848)
Isopropylidenediphenyl bisoxyhydroxypropyl	1565-94-2	216-367-7	10%	Skin Irr. 2 H315 Skin Sens. 1 H317 Eye Irr.. 2 H319
Tri-edma	109-16-0	203-652-6	%20	-----
Urethan Dimethacrylate	72869-86-4	276-957-5	10%	Skin Sens. 1B H317 Aquatic Chronic 2 H411

4. FIRST AID MEASURES

4.1. Description of First Aid Measures

SAFETY DATA SHEET

DENTAL COMPOSITE FILLING

It is regulated in accordance with the provisions of the "Republic of Turkey Ministry of Environment and Urbanization, Regulation on Safety Data Sheets for Harmful Substances and Mixtures" dated 13

General Information : In case of any discomfort, consult a doctor.

Breathing : Remove the exposed person to fresh air immediately. Provide rest, warmth and fresh air. Contact a doctor. When breathing is difficult, oxygen can be given to the exposed person by properly trained personnel.

Swallowing : Do not induce vomiting. Never give anything liquid to an unconscious person. Move the casualty away from the exposure zone. Immediately contact to the doctor.

Skin Contact : Remove contaminated clothing. Wash the skin immediately with soap and water. If irritation persists after washing, consult a doctor.

Contact with eyes : If there are contact lenses, they should be removed before washing the eyes. Open the lids and rinse the eyes immediately with plenty of water. Continue rinsing for at least 15 minutes. If symptoms appear after washing, consult a doctor immediately.

4.2. Important Acute and Subsequent Symptoms and Effects

Allergy.

4.3. First Signs of the Need for Medical Attention and Special Treatment

No specific treatment is prescribed. Apply treatment according to symptoms.

5. FIRE FIGHTING MEASURES

5.1. Fire Extinguishers

Suitable Fire extinguishers : Carbon dioxide, water spray, alcohol-resistant foam, dry chemical

Unsuitable Fire Extinguishers: High volume water jet

5.2. Special Damages Caused by the Substance or Mixture

Fire may cause the formation of toxic gases/vapors.

Carbon Dioxide (CO₂), Carbon Monoxide (CO)

5.3. Protective Equipment for Firefighting Teams

Avoid inhaling fire vapor. Containers close to the place of fire immediately to another place. It must be taken away or cooled with water. If it is possible to do this without any danger, remove the container from the fire area. Prevent firefighting water from flowing into sewers, waterways.

Protective equipment

In the event of a fire, use self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE PRECAUTIONS

6.1. Personal Protective Measures

Wear protective clothing as shown in 8th chapter of this safety data sheet..

Avoid contact with eyes and skin. Do not inhale their vapors. Provide adequate ventilation.

6.2. Environmental Precautions

Do not pour into sewers, soil, or waterways. Spilled substance 13. Collect and dispose of as instructed in the section.

SAFETY DATA SHEET

DENTAL COMPOSITE FILLING

It is regulated in accordance with the provisions of the "Republic of Turkey Ministry of Environment and Urbanization, Regulation on Safety Data Sheets for Harmful Substances and Mixtures" dated 13

6.3. Collection and Cleaning Processes

If there is no risk, stop the leak. Collect debris with a non-flammable, absorbent material such as sand, soil, vermiculite and place them in sealed containers for disposal.

6.4. References to Other Sections

See chapter 8 for personal protection.

For additional information on harm to health, see section 11.

See section 13 for waste disposal.

7. HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Do not inhale its vapor. Avoid contact with eyes and skin. Keep away from heat and flammable sources. It should be ensured that there is good ventilation. Do not eat anything during use, do not drink and do not smoke. Consider the necessary chemical hygiene measures.

Wash your hands and contaminated areas before leaving the workplace. Take precautions against static electricity discharges. Only use tools with antistatic properties.

7.2. Conditions for Secure Storage, Including Disputes

Store the item in its original packaging in dry and cool places. The area is well ventilated. Make sure that it is. Avoid direct sunlight. Keep containers in an upright position to avoid possible leaks.

7.3. Specific End Uses

The defined uses of this product are detailed in section 1.2.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control Parameters

Exposure limits for substances in it have not been noted.

8.2. Exposure Controls

Personal Protective Equipment :



Respiratory Protection

: When working in confined and poorly ventilated environments, air-equipped respiratory protection shall be used.

Eye / Face Protection

: Wear approved safety goggles or a face shield.

Protection of the Skin

: Wear an apron or protective clothing in case of contact.

Hand Protection

: Wear protective gloves. The most suitable glove should be selected in consultation with its distributor. The glove provider will be able to provide information about the permeation/deterioration time of the glove material.

SAFETY DATA SHEET

DENTAL COMPOSITE FILLING

It is regulated in accordance with the provisions of the "Republic of Turkey Ministry of Environment and Urbanization, Regulation on Safety Data Sheets for Harmful Substances and Mixtures" dated 13

Health Precautions : Wash your hands at every shift change and before eating, before smoking, and before going to the toilet. If the skin is contaminated, immediately with water
Wash. Do not eat, drink or smoke during use. Remove all contaminated clothing immediately. Keep contaminated clothing separate and wash it before using it again. **Environmental Exposure Controls: Comply** with local and national laws.

9. FİZİKSEL VE KİMYASAL ÖZELLİKLER

9.1. Information on Basic Physical and Chemical

Properties Appearance : Solid, pie
Colour : Tooth Color and its various shades
Smell : Slight acrylate odor
pH Value : No information available.
Resolution : It is insoluble in water.
Boiling point : >1500C
Melting point : No information available.
Flash Point : No information available.
Flash Point : No information available.
Explosiveness Limits : No
information available. **Autoignition Temperature**
: No
information available. **Evaporation Rate** : No
information available.
Vapor Pressure : No information available.
Relative Vapor Density : No information available.
Density : 2.1 g/cm3
Coefficient of Dispersion (n-octanol/water): No information available.
Viscosity : No information available.

10. STABILITY AND REACTION

10.1. Reaction

This product does not have any known reagent hazards.

10.2. Chemical Stability

It is stable under normal temperature conditions and under recommended usage conditions. It is stable under the stipulated storage conditions.

10.3. Possibility of Harmful Reactions

Polymerization is not expected.

10.4. Situations to Avoid

Protect from high heat, flames, sparks and direct sunlight.

10.5. Substances to avoid

The substances to avoid are unknown.

SAFETY DATA SHEET

DENTAL COMPOSITE FILLING

It is regulated in accordance with the provisions of the "Republic of Turkey Ministry of Environment and Urbanization, Regulation on Safety Data Sheets for Harmful Substances and Mixtures" dated 13

10.6. Harmful Decomposition Products

Hazardous decomposition products are unknown.

11. TOKSİKOLOJİ BİLGİSİ

11.1. Information on toxic effects

Acute Toxicity :

Tri-Edma (CAS: 109-16-0)

Acute Toxic Doz 1 LD50 10,937 mg/kg (Oral-rat) Acute

Toxic Dose 2 LD50 >2000 mg/kg (Dermal-mouse)

Acute Toxic Doz 3 TDLo 7.889 mg/kg (Oral-rat)

Urethan Dimethactylate (Cas: 72869-86-4)

Acute Toxic Dose 1 LD50 >5000 mg/kg (Oral-rat)

11.2. Corrosive and Irritation Effect (Corrosivity and Irritation)

Skin Abrasion/Irritation : It may have an irritating effect.

Eye Damage/Irritation : It may have an irritating effect.

Skin and Respiratory Sensitization : It may have an irritating effect.

11.3. Chronic Toxicity (Mutagenic, Carcinogenic and Toxic Effect on Reproduction)

Germ Cell Mutagenicity (in vitro – in vivo) : There is no proper information.

Carcinogenic Effect : There is no proper information.

Toxicity to Breeding : There is no proper information.

11.4. Other Toxicological Effects

Allergic effect : There is no proper information.

Effect in Repeated Doses : There is no proper information.

Stun Effect : There is no proper information.

Sensitization : There is no proper information.

Developmental Toxicological Effects : There is no proper information.

Fertility : There is no proper information.

12. ECOLOGICAL KNOWLEDGE

12.1. Ecotoxicity

Tri-edma (CAS: 109-16-0)

LC50, Fish,96sa 16.4 mg/l (Danio rerio (zebrafish))

ErC₅₀, Moss,72h 72,8 mg/l (Pseudokirchneriella subcapitata)

Urethan Dimethacrylate (Cas: 72869-86-4)

LC50, Fish,96sa 10.1 mg/l (Danio rerio (zebrafish))

Persistence and Degradability

There is no information about the biodegradability of the product.

Tri-edma: Biodegradation with oxygen (aerobic) - Exposure time 28 d Result: 85 % -

Easily biodegradable spontaneously. (OECD Test Instruction 301D)

SAFETY DATA SHEET

DENTAL COMPOSITE FILLING

It is regulated in accordance with the provisions of the "Republic of Turkey Ministry of Environment and Urbanization, Regulation on Safety Data Sheets for Harmful Substances and Mixtures" dated 13

Urethan Dimethacrlylate: Biodegradation with oxygen (aerobic) - Exposure time 28 d
Result: 22 % - It is easily biodegradable spontaneously. (OECD Test Instruction 301D)

12.2. Bioaccumulative Potential

There is no data on bioaccumulation.

12.3. Mobility in the Soil

There is no information about the movement of the product through the soil.

12.4. Results of the Evaluation of PBT and vPvB

It does not contain a component that is considered PBT or vPvB.

12.5. Other Adverse Effects

Unknown.

13. DISPOSAL INFORMATION

13.1. Waste Processing Methods

Dispose of garbage and waste in accordance with the rules of the local authorities. It should not seep into sewers, waterways, or soil. The environmental officer will be informed of all major spills. Uncontaminated and completely emptied packages can be recycled.

14. TRANSPORTATION INFORMATION

14.1. UN Number

It is not classified.

14.2. Proper UN Transport Name

It is not classified.

14.3. Transportation Hazard Classes

It is not classified.

14.4. Packaging Group

It is not classified.

14.5. Environmental Damages

Environmentally Hazardous Substance / Marine Pollutant: No.

14.6. Special Precautions for the User

It is not classified.

14.7. Public Transport according to MARPOL 73/78 Annex II and IBC Code

N/a.

15. REGULATORY INFORMATION

15.1. Special Safety, Health and Environmental Legislation for Substance or Mixture National Legislation

- ❖ T.R. Ministry of Environment and Forestry, Regulation on Classification, Packaging and Labeling of Hazardous Substances and Preparations dated 26 December 2008 and numbered 27092

SAFETY DATA SHEET

DENTAL COMPOSITE FILLING

It is regulated in accordance with the provisions of the "Republic of Turkey Ministry of Environment and Urbanization, Regulation on Safety Data Sheets for Harmful Substances and Mixtures" dated 13

- ❖ T.R. Ministry of Environment and Urbanization, Regulation on Classification, Labeling and Packaging of Substances and Mixtures dated 11 December 2013 and numbered 28848
- ❖ T.R. Ministry of Health dated 31 December 2009, No. 27449, Biocidal Products Regulation
- ❖ T.R. Ministry of Labor and Social Security, Regulation on Health and Safety Measures in Working with Chemical Substances, dated 12 August 2013, No. 28733
- ❖ T.R. Ministry of Labor and Social Security, Regulation on the Use of Personal Protective Equipment in the Workplace dated 2 July 2013 and numbered 28695
- ❖ T.R. Ministry of Labor and Social Security, Occupational Health and Safety Law No. 6331 dated 30 June 2012
- ❖ T.R. Ministry of Environment and Forestry, Regulation on the Control of Hazardous Wastes dated 14 March 2005 and numbered 25755

16. OTHER INFORMATION

Abbreviations : ADR Regulation on the transport of dangerous goods by road
EINECS European Inventory of Existing Commercial
Substances CAS Chemical Theories Service
LC50 Concentration that killed 50% of subjects
LD 50 Dose that killed 50% of subjects
PBT Persistent, Bio accumulative and Toxic vPvB Multi-
Persistent, Multi-Bio accumulative

Information Sources : This SDS has been issued on the basis of information and documents received from the product owner company. Due to the fact that this information and documents are incomplete or incorrect, the prepared SDS is issued incorrectly and therefore the product owner company will face financial
SDS Prepper and/or EMR Consulting cannot be held responsible for damages and moral negativities.

Updated on : 01.03.2024
Author : Ebru SARI / KDU (Chemical Evaluation Specialist)
Certificate No : NBC04.67.07
Document Validity Date : 01.03.2026
Contact Information : 0 312 336 36 30

RESERVATIONS

This information relates only to a specific specific substance and should not be used in a combination or in any process in which the same substance is used in combination with other substances. The information provided in this document is within the high level of knowledge and opinion of the company.

It is accurate and reliable information as of date. It is the user's own responsibility to ensure that this information is suitable for his/her use.