

TASOTFİLT MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier: TASOT LTD ŞTİ (Note: The product name, e.g., TASOTFİLT Chemical Filter Media, should be used here instead of the company name.)

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:
Identified Uses: Chemical filtration, air purification, odor and VOC (volatile organic compound) removal.

Uses Advised Against: Food contact, drinking water purification (unless specific tests have been conducted).

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: TASOT LTD ŞTİ

Address: ANTALYA SERBEST BÖLGESİ 5. CAD NO:4, Antalya / Türkiye

Telephone: +905324095359

E-mail: info@tasot.com.tr

1.4 Emergency Telephone Number: 112

European Union (EU)

- The single emergency number valid across all EU countries is **112**.
- This number provides access to all emergency services, including ambulance, police, and fire rescue.

United States (US)

- The single number for all emergencies is **911**.
- This number covers police, fire, and medical assistance services.

Saudi Arabia

- General Emergency: **911**
- Police: **999**
- Ambulance: **997**
- Civil Defense (Fire Department): **998**

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture: This product, in its final form (Tasotfilt), is a mechanical mixture. While its individual components (PU, Purafil SP, HDPE) may have hazardous properties, their classification does not directly reflect the classification of the final product.

Physical Hazards: Flammable, Class B1. (Note: B1 class is a specific fire rating in Turkish standards; it should be clarified based on international standards like GHS, e.g., Combustible Solid.)

Health Hazards: Under normal conditions of use, the potential for acute toxicity or irritation is low. If dust or small particles are inhaled, they may cause respiratory tract

irritation.

2.2 Label Elements:

Pictograms: Not required.

Signal Word: Not required.

Hazard Statements (H-Statements): Not required.

Precautionary Statements (P-Statements):

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Material Name: PU (Polyurethane)

Concentration: 16.6% (1000 gr)

CAS Number: [Provide a specific CAS number for polyurethane. A general number is often used, or it is specified as a "mixture."]

Material Name: Purafil SP media (Potassium Permanganate and Aluminum Oxide based)

Concentration: 50.0% (3000 gr)

CAS Number: [Specify the CAS number for Purafil SP or note it as "Proprietary Mixture."]

Material Name: HDPE 100 (High-Density Polyethylene)

Concentration: 33.4% (600 gr)

CAS Number: 9002-88-4

SECTION 4: FIRST-AID MEASURES

4.1 Description of First-aid Measures:

If Inhaled: Move to fresh air. If breathing difficulties occur, seek medical attention.

In Case of Skin Contact: Wash with plenty of soap and water. If irritation persists, seek medical attention.

In Case of Eye Contact: Rinse eyes with plenty of water for at least 15 minutes, keeping eyelids open. Seek medical attention.

If Swallowed: Rinse mouth with water. Do not give anything to an unconscious person. Seek medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed: Inhalation of dust may cause mild irritation to the respiratory tract.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide (CO₂).

5.2 Special Hazards Arising from the Substance or Mixture: May melt or decompose at high temperatures. Combustion may result in the formation of carbon monoxide and other toxic fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures: Use appropriate personal protective equipment (dust mask, gloves, goggles) to prevent dust from spreading.

6.2 Environmental Precautions: Prevent entry into sewers or waterways. It is not

chemically harmful to the environment or sewers. If it falls into wastewater, it may cause physical blockage in sewer pipes.

6.3 Methods and Material for Containment and Cleaning Up: Sweep or vacuum up dry. Place the collected material into a suitable waste container.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Use in a well-ventilated area. Avoid breathing dust.

7.2 Conditions for Safe Storage: Store in a dry, cool, and well-ventilated place, away from direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters: Regularly measure the amount of dust in the environment and ensure it remains within safe limits.

8.2 Exposure Controls:

Engineering Controls: Provide adequate local exhaust ventilation.

Personal Protective Equipment:

Eye/Face Protection: Safety goggles.

Skin Protection: Protective gloves.

Respiratory Protection: Dust mask (e.g., P1 or P2 type).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Physical State: Solid, granular or pellet mixture.

Color: Purplish/dark purple/black (due to Purafil SP).

Odor: Odorless or a faint chemical odor.

Melting Point: Not applicable (mixture).

Solubility: Insoluble in water.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable under normal conditions of use.

10.2 Chemical Stability: Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions: No known hazardous reactions.

10.4 Conditions to Avoid: High temperatures, open flames, strong oxidizers.

10.5 Incompatible Materials: Strong oxidizers.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Acute Toxicity: Low.

Skin Irritation: Potential for mild irritation.

Eye Irritation: Potential for mechanical irritation.

Respiratory Sensitization: Inhalation of dust may cause respiratory irritation in sensitive individuals.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity: Low toxicity to aquatic organisms.
12.2 Persistence and Degradability: PU and HDPE are difficult to biodegrade.
12.3 Bioaccumulative Potential: Low potential for bioaccumulation.
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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods: Dispose of in accordance with local and national regulations. Waste may be classified as hazardous waste.

SECTION 14: TRANSPORT INFORMATION

- 14.1 UN Number: Not applicable (non-hazardous substance).
14.2 Proper Shipping Name: Not applicable.
14.3 Transport Hazard Class(es): Not applicable.
14.4 Packing Group: Not applicable.
14.5 Environmental Hazards: None.
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SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

In Turkey, the "Regulation on the Classification, Labeling and Packaging of Substances and Mixtures" (CLP) and the "Regulation on Material Safety Data Sheets" (MSDS) apply. Make the necessary arrangements to comply with these regulations.

SECTION 16: OTHER INFORMATION

- 16.1 Revision Date: 01.01.2025
16.2 Note: This MSDS has been prepared based on the best known information. The content of this document is intended to help the user determine safe use conditions and does not provide any warranty.
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