



Meltem Kimya ve Tekstil İth. İhr. San. Ve Tic. A.Ş.
PET Resin,Plasticers & PVC Floor Covers

MELPET®

Adana-Türkiye

**Material Safety Data Sheet According
to 1907/2006/EC, article 31
Revision: 08.03.2016**

MELPET RESIN

1. INFORMATION OF THE SUBSTANCE/ PRODUCER COMPANY

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2. HAZARDS IDENTIFICATION

Not applicable. The hazards are associated mainly with their processing.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name of substance Poly ethylene teraphthalate (PET)

CAS No 025038-59-9

Hazardous Substance on Ingredients There is no hazardous Substance on Ingredients (93/112/EEC and later amendments)

4. FIRST AID MEASURES

Inhalation Move to fresh air. Consult a physician after significant exposure.

Skin contact Cool skin rapidly with cold water after contact with molten polymer. Do not peel polymer from the skin. Obtain medical attention.

Eye contact Rinse with plenty of water

Ingestion Treat symptomatically.

Further medical Treatment Even though it is not probable, treat symptomatically.

5. FIRE FIGHTING MEASURES

Low fire risk. Like all other organic substances can form flammable cloud in the air. The results of full combustion are burning carbon dioxide and water. It is possible that some substances can break down but resultant ration of these substances will be less than carbon dioxide and carbon monoxide.

Fire Fighting will be chosen accordingly with respect to equipment and material in the environment.

6. ACCIDENTAL RELEASE MEASURES

Precautions Slippery floor and equipment surfaces are probable if spills occur. Clean the floor or exposed area after cooling with wet cloth and dispose to waste car or recovery.

7. HANDLING AND STORAGE

Handling

Hinder skin contact. Take measures against static electrical overload.

Operation Risks

Not applicable. For more specific operating information in operations, see the Technical Data Information.

Heating During operation

Combustion; Thermoplastic fusion is the most common situation.

All polymers are exposed to high operating temperatures. Thermal decomposition occurs with most of them depending on the temperatures attained. Literature states there are several byproducts generated, which may change in nature and quantity per the conditions. Please refer to 'Risky Decomposition Material' for significant voluble. In such, pay attention to transport or disposal to hot waste. Hot masses may contain hotter centers with combusted gasses, although the outer skin may be at room temperature. For this reason, do not allow to form huge mass. Or dispose them carefully at designated areas with personal safety equipment provided.

Operations like aggregation, tearing, and grinding, cutting form dust. This should be controlled and exposure range to dust should not be exceeded. Instead of abnormal ventilation, Appropriate ventilation equipment should be used according to requirement determine in operating procedure.

Storage

Storage vessels should be properly grounded

Storage Temperature- Environment Temperature

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Use appropriate protective clothes.

When carry hot polymer, use self-contained breathing apparatus and protective gloves.

If ingredient is carried over to cold working (cutting, grinding) use suitable glasses. In addition this processing can be formed dust.

Professional exposure limits Dangerous materials minute	LTEL 8 hour TWA ppm	mg/m³	STEL ppm	Time mg/m³
Dust (Total Inhalable Dust)	-	10	-	OES
Dust (Ventilation dust)	-	5	-	OES

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Granule
Color	Transparent
Odour	Odorless
Odour threshold (ppm)	Impractical
pH	Impractical
Boiling Point (°C)	Impractical
Melting point (°C)	240 – 265
Flaming Point (°C)	440 (ASTM 09129-68)
Flaming Limits (°C)	Impractical
Oto Flaming Temperature (°C)	Approximately 500
Explosion future	No Data
Oxidizing future	No Data
Vapor Pressure (Pa)	Impractical
Water solubility	Insoluble
Solubility in other solvents	it is soluble in Hydro Carbon with Chlorine
Partition Stable	Impractical
Minimum Flaming Tem (°C)	480 (ASTM 10929-68)
Minimum Flaming energy (mJ)	25 – 50

Degradation temperature (°C)	>260
Bulk density (g/ml)	0,84
Specific Heat (J/g)	134 (25 °C'de)
Thermal conductivity (W/m/K)	0,14
Oxygen Limit Index (% O ₂)	21 (ASTM D863)

10. STABILITY AND REACTIVITY

Conditions to Avoid	Not applicable
Materials to Avoid	Acetic anhydride Benzene Chloroform Acetone Dimethylformamide Chromic Acid
Hazardous Decomposition Products	Carbon dioxide and aldehydes upon burning
Hazardous Reactions	Stable under recommended storage conditions

11. TOXICOLOGICAL INFORMATION

Inhalation	In consequence of combustion, the materials are irritant. Dust in high concentration can irritate inhalation system.
Skin contact	Physical corrosion is highly probable. Molten polymer can cause deep burns by sticking to skin.
Eye contact	Can cause physical corrosion
Ingestion	Not applicable
Long term exposure	No established data over the long working years

12. ECOLOGICAL INFORMATION

Environmental Situation and expansion

This product is produced in high tonnage and diffused to all system.
Solid and low volatility.
Not water - soluble.

Toxicity

This product has no known eco toxicological effects.

WGK 0 (official classification)

13. DISPOSAL CONSIDERATIONS

The product can be commercially recycled.

Waste can be disposed in compliance with the local or territorial regulations.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations . It is not a dangerous substance within the IATA and ADR rules.

15. REGULATORY INFORMATION

In compliance with EC Directive 2011/10/EU (formerly known to be 2002/72/EC and its amendments).

The product is non hazardous in accordance with Directive 1999/45/EC and its later amendments

16. OTHER INFORMATIONS

Recommended Restrictions

Do not use in medical applications involving permanent implantation in the human body.

Further Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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