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

Material Safety Data Sheet According to 1907/2006/EC
In compiance with article31 of REACH
Revision: 11.01.2017

Section 1 - Identification of Substance and Producer Company

Product Name: MELFLEX DOTP
Chemical Name: Dioctyl Terephthalate
Synomyms: DOTP

Manufacturer: Meltem Kimya
Batı Otoban Bağlantı Yolu
Üzeri Büyük Dikili Mah.93099 Sok.
No:4/A Seyhan/ADANA/TURKEY
+90 322 485 62 67

HMIS
Health: 1
Flammability: 1
Reactivity: 0
Gloves & Safety Glasses

Emergency Phone Numbers: Meltem Kimya (24 hr.) (322)4856267-68

Section 2 – Composition / Information on Ingredients

Chemical Name	CAS #
bis(2-ethylhexyl) terephthalate	6422-86-2

EINECS Number: 229 – 176 - 9

Section 3 - Hazards Identification

Appearance/Odor: Clear liquid; mild odor

Potential Health Effects
Skin Contact: Repeated or prolonged skin contact may cause mild skin irritation.
Eye Contact: May cause slight eye irritation of susceptible persons.
Ingestion: May irritate mouth, throat and stomach.
Inhalation: May cause dizziness.

Section 4 – First Aid Measures

Skin Contact: Wash affected skin with soap and water. Seek medical attention if symptoms persist.
Eye Contact: Rinse the eyes with open eyelids with plenty of water for at least 15 minutes. If irritation and symptoms persists, consult a doctor.
Ingestion: Seek medical treatment.
Inhalation: Person should be moved to a fresh air environment. Consult doctor in case of complaints.
Further Medical Treatment: Symptomatic treatment

Section 5 – Explosion and Fire-Fighting Measures

Flash Point (COC): 216-218°C
Suitable Extinguishing agents: CO_2, extinguishing powder, Water Sprey or Foam. Fight larger fires with water spray or alcohol resistant foam.
Special Fire-Fighting Procedures: A MSHA/NIOSH approved self-contained breathing apparatus should be worn. Use water spray to cool fire-exposed containers.
Special hazards caused by the material , its products of combustion or resulting gases: Dangerous decomposition product see section 10: stability and reactivity.
Sensitivity to Static Discharge: May accumulate a static charge which could act as an ignition source.
Hazardous Combustion Products: CO, CO_2

Additional Information: Cool endangered receptacles with water spray. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Section 6 – Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled:
Person related safety precations: Wear protective clothing. Use respiratory protective device against the affects of fumes/dusts/ aerosol.
Measures for Environmental protection: Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil.
Measures for cleaning and collecting : Dike and contain the spill with inert material (i.e., sand, earth, sawdust,diatomite,acid binders,universal binders) and transfer liquid and solid diking material to separate containers for recovery or disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water.

Section 7– Handling and Storage

Handling

Ensure good ventilation/exhaustion at the workplace to establish and maintain safe operating conditions. Keep away from contact with oxidizing materials.
Avoid contact with eyes and skin.

Information about protection against explosions and fires: No special measures required.

Storage:

Containers should be kept tightly closed and stored in a dry well-ventilated place. Store at ambient temperature. Store only in the original receptacle.
Protect from heat and direct sunlight. Keep receptacle tightly sealed.
Storeage Class 10 Combustable Liquids

Information about storage in one common storage facility:
Store away from foodstuffs. Store away from feed.

Section 8– Exposure controls and Personal Protection

OSHA Permissible Exposure Limit (PEL): None established

Personal protective equipment
General protective and hygienic measures:
The usual precautionary measures should be adhered to when handling chemicals.
Immediately remove all soiled and contaminated clothing
Do not inhale gases / fumes / aerosols.
Avoid close or long term contact with the skin.
Avoid contact with the eyes.
Do not eat or drink while working.
The usual protective measures based on the application have to be followed.
Breath equipment is not necessary if the room is well-ventilated.

Hand Protection: Neoprene or Viton Gloves. The glove material has to be impermeable and resistant to the product/ the substance / the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
After use of gloves apply skin-cleaning agents and skin cosmetics.

Respiratory Protection: Use a NIOSH approved respirator when exposure to mists or vapors is anticipated.
Eye Protection: Safety glasses. Goggles recommended during refilling.
Engineering Measures: For normal operation, local exhaust ventilation should suffice. Direct exhaust may be necessary when material becomes heated and vapors are given off.
Other: Eyewash facility in vicinity.

Section 9– Physical and Chemical Properties

Form: Fluid
Color: Colorless
Odour: mild odour; characteristic

Boiling Point: 400°C
Flash Point (COC): 216-218°C
Vapor Density: 13.47
Vapor Pressure (217°C): 1.33 mbar

Specific Gravity: 0.986
Freezing Point: -48°C
Solubility in Water: Negligible
pH: N/A

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Section 10 – Stability and Reactivity

Stability: This product is stable under normal conditions.
Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.
· **Materials to be avoided:** Strong oxidants
· **Dangerous reactions:** Reactions with above-mentioned substances
· **Dangerous products of decomposition:**
In the case of fire or at high temperatures, the formation of the following decomposition products is possible; Carbon monoxide and carbon dioxide
Hazardous Polymerization: Will not occur under normal circumstances.

Section 11 – Toxicological Information

Acute Toxicity:
Oral LD-50: (rat) >5,000 mg/kg (highest dose tested)
Oral LDLo 20000 mg/kg (Mouse)
Skin Irritation (guinea pig) slight
Eye Irritation (rabbit) slight
Sensitization: No sensitizing effects known.
Additional toxicological information: After swallowing: irirtations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

Section 12 – Ecological Information

COD: 2,7 gr/gr
BOD: 2,58 gr/gr
The product is readily biodegradable.

Aquatic toxicity: Presently there are no ecotoxicological values available.

Acute effects for water living things:
96 hour LC-50 (fathead minnow) : > 984 mg/lt (nominal concentration)
96 hour LC-50 (ramshorn snail) : > 984 mg/lt (nominal concentration)
96 hour EC-50 (oyster) : > 0,624 mg/lt (dissolved limitation in sea water)
48 hour EC-50 (daphind) : > 0,0014 mg/lt
72 hour EC-50 (selenastrum capricornutum) : NOEC : > =0,86 mg/lt

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Section 13 – Disposal Considerations

Waste Disposal Methods: Material should be disposed of in accordance to current local, state, and federal regulations. Contacting to a waste disposal service is recommended.

Section 14 – Transport Information

Not classified as hazardous according to the Department of Transportation.
Not restricted under IATA regulation

Section 15 – Regulatory Information

Toxic Substances Control Act (TSCA): This product is in compliance with the TSCA regulation of the United States.

Domestic Substance List (DSL): This product is listed on the DSL inventory of Canada.

Australian Inventory of Chemical Substances (AICS): This product is listed on the AICS inventory of Australia.

European Inventory of Existing Chemical Substances (EINECS): This product is listed on the EINECS inventory of Europe (#229-176-9).

MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification.

Section 16 – Other Information

All information is presented in good faith using available information. Meltem Kimya makes no representation of the accuracy or completeness of the information. The user should consider this information as a supplement to other information that may be available. User should also determine suitability of information in their situation to determine proper use and disposal, protection of people and the environment.