



Meltem Kimya ve Tekstil İth. İhr. San. Ve Tic. Ltd. Şti.  
Pet Resin,Plasticers & Pvc Floor Covers

**Material Safety Data Sheet**  
**According to 1907/2006/EC, article 31**  
**Revision: 20.02.2013**

**Section 1 - Identification of Substance and Producer Company**

**Product Name:** MELTEM DOA  
**Chemical Name:** Dioctyl Adipate  
**Synonyms:** DOA

**Manufacturer:** Meltem Kimya  
Batı Otoban Bağlantı Yolu  
üzeri Büyükdikili mevki  
01100 Seyhan/ADANA  
+90 322 485 52 24

**NFPA**  
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) adipate	103-23-1

**EINECS Number:** 203-090-1

**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 (OC) :** 195 °C  
**Suitable Extinguishing agents :** CO<sub>2</sub>, extinguishing powder, Water Sprey or Foam. Fight larger fires with water spray or alcohol resistant foam.  
**Special Fire-Fighting Procedures:** NIOSH (EN133) 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<sub>2</sub>  
**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 precautions:** 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:** Keep away from sources of static electricity, ignition and smoking. Cooling water spraying should be available to fight against fire.

**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.

**Storage 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

<b>Boiling Point:</b>	417°C	<b>Specific Gravity:</b>	0.920
<b>Flash Point (OC):</b>	195°C	<b>Freezing Point:</b>	<-70°C
<b>Vapor Density @20°C:</b>	12.8	<b>Solubility in Water:</b>	<0,001 g/l@22°C
<b>Vapor Pressure @20°C:</b>	<0,001kPa	<b>pH:</b>	N/A

## 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)

Skin Irritation (rabbit) none

Eye Irritation (rabbit) slight

**Sensitization:** No sensitizing effects known.

## Section 12 – Ecological Information

Acute effects for water living things:

96 hour LC0 (rainbow trout) : > 0,78 mg/l

48 hour EC50 (water fleas) : >500 mg/l

72 hour EC50 (scenedesmus subspicatus) : > 500 mg/l

Long term reproductive toxicity (daphnia magna) : NOEC >0,77 mg/l

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 (#203-090-1).

**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.