

# SAFETY DATA SHEET

SDS-EUEN-2018

Date Updated : 18<sup>th</sup>. April. 2017

Version : 2.0/EN.

Regulation : In accordance with Regulation (EC) 1907/2006 (REACH)

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

### 1.1. Product identifier

Product form : Substance  
Substance name : DI 2-ETHYLHEXYL ADIPATE  
EC no : 203-09-1  
CAS No : 103-23-1  
Brand : MELFLEX® D.O.A  
Synonyms : Bis(2-ethylhexyl)-adipate

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : Plasticizer for surface coatings, rubber and PVC

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Name : Meltem Kimya Tekstil San. İth. İhr. ve Tic. A.Ş.  
Address : Batı Otoban Bağlantı Yolu Üzeri Büyük Dikili Mah.  
93099 Sok. No:4/A Seyhan/ADANA/TURKEY  
Phone N°: +90 322 485 62 67  
FAX N° : +90 322 485 62 03  
E-mail of competent person responsible for SDS : goknur.gokce@meltemkimya.com.tr

### 1.4. Emergency telephone number

European Emergency N°: 112  
Emergency telephone at the company: +90/322/4856267-68  
Available outside office hours: 24h/day/365days

## SECTION 2 : HAZARDS IDENTIFICATION

- 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP]**  
Not classified

**Adverse physicochemical, human health and environmental effects**

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

- 2.2. Label elements**  
**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**  
No labelling applicable

- 2.3. Other hazards**  
No additional information available

## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Formula	$\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{C}_2\text{H}_5)\text{CH}_2\text{OOC}(\text{CH}_2)_4\text{COOCH}_2\text{CH}(\text{C}_2\text{H}_5)(\text{CH}_2)$ $\text{C}_{22}\text{H}_{42}\text{O}_4$ (Hill)
EC-No.	203-09-1
Molar mass	370,57 g/mol

For the full text of the H-Statements mentioned in this Section, see Section 16.

Remarks No disclosure requirement according to Regulation (EC) No. 1907/2006.

- 3.2. Mixture**  
Not applicable

## SECTION 4 : FIRST-AID MEASURES

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

- 4.2. Most important symptoms and effects, both acute and delayed**  
We have no description of any toxic symptoms.

- 4.3. Indication of any immediate medical attention and special treatment needed**  
No information available.

## SECTION 5 : FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

Combustible.

Vapours are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7 : HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Advice on safe handling : Observe label precautions

Hygiene measures : Change contaminated clothing. Wash hands after working with substance.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Tightly closed. Recommended storage temperature see product label.

### 7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

No additional information available.

### 8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Personal protective equipment	: Safety glasses. Gloves. Protective clothing.
Hand protection	: Protective gloves
Eye protection	: Safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment



Environmental exposure controls : Avoid release to the environment.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colorless to pale yellow.
Odour	: Characteristics.
Odour threshold	: No data available
pH	: Immeasurable
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: -67,8°C
Boiling point/ boiling range	: 247 - 252 °C at 27 hPa
Flash point (Open cup)	: 195 °C
Auto-ignition temperature	: 350 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: 1 mmHg / 0.19 kPa (215 °C)
Relative vapour density at 20 °C	: No data available
Relative density	: 0.93
Density	: 0.923-0,927 g/cm <sup>3</sup> (20 °C)
Solubility	: Negligible
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 13-15 mPa.s (20 °C)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10 : STABILITY AND REACTIVITY

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

Strong oxidizing agent.

### 10.6. Hazardous decomposition products

Development of hazardous / toxic combustion gases or vapors possible in the event of fire and excess heat; carbon monoxide, carbon dioxide.

## SECTION 11 : TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

DI-ETHYLHEXYL ADIPATE (103-23-1)	
LD50 oral rat	> 5000 mg/kg (male/female)
LC50 inhalation rate	5,7 mg/l/4 h air

Skin corrosion/irritation	: Not classified pH: Immeasurable
Serious eye damage/irritation	: Not classified pH: Immeasurable
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

**SECTION 12 : ECOLOGICAL INFORMATION****12.1. Toxicity**

Ecology – general

: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

<b>DI-ETHYLHEXYL ADIPATE (103-23-1)</b>	
LC50 Fish	> 0,78 mg/l
EC50 Daphnia magna	> 500 mg/l ; 48 h
EC50 72h green algae	> 500 mg/l

**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

No additional information available

**12.4. Mobility in soil**

No additional information available

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

No additional information available

**SECTION 13 : DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

See [www.retrologistik.com](http://www.retrologistik.com) for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

**SECTION 14 : TRANSPORT INFORMATION**

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN Number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

**14.6. Special precautions for user**
**- Overland transport**

Not applicable

**- Transport by sea**

Not applicable

**- Air transport**

Not applicable

**- Inland waterway transport**

Not applicable

**- Rail transport**

Not applicable

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15 : REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Major Accident Hazard : 96/82/EC

Legislation : Directive 96/82/EC does not apply

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer  
not regulated

Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC  
not regulated

Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals  
not regulated

Substances of very high concern (SVHC) : This product does not contain substances of very high concern above the respective regulatory limit (> 0.1 % (w/w) Regulation (EC) No 1907/2006 (REACH), Article 57).

National legislation

Storage class : 10 - 13

### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

## SECTION 16 : OTHER INFORMATION

Training advice

Provide adequate information, instruction and training for operators.

Labelling (67/548/EEC or 1999/45/EC)

The product does not need to be labelled in accordance with EC directives or respective national laws.

Key or legend to abbreviations and acronyms used in the safety data sheet Used abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

Regional representation

This information is given on the authorised Safety Data Sheet for your country.