

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DEHS Di-Ethyl-Sebacinsäure-Ester

Revision date: 26.01.2021

Page 1 of 7

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

DEHS Di-Ethyl-Sebacinsäure-Ester

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

###### Use of the substance/mixture

Plasticizer

###### Uses advised against

No information available.

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

Company name:	Palas GmbH	
	Partikel- und Lasermesstechnik	
Street:	Greschbachstr. 3b	
Place:	D-76229 Karlsruhe, Germany	
Telephone:	+49 (0)721 96213-0	Telefax: +49 (0)721 96213-33
e-mail:	mail@palas.de	
e-mail (Contact person):	martin.muenzberg@palas.de	
Internet:	www.palas.de	

##### 1.4. Emergency telephone number:

+49 (0)721 96213-0 or National Toxicological Information Center (Only available during office hours.)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

##### 2.2. Label elements

###### Additional advice on labelling

Labelling according to Regulation (EC) No. 1272/2008 [CLP] none

##### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

###### Chemical characterization

Contains: fatty acid esters

Hazardous ingredients: none

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### General information

When in doubt or if symptoms are observed, get medical advice.

If unconscious place in recovery position and seek medical advice.

###### After inhalation

Provide fresh air. If experiencing respiratory symptoms: Call a doctor.

###### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DEHS Di-Ethyl-Sebacinsäure-Ester

Revision date: 26.01.2021

Page 2 of 7

#### **After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

#### **4.2. Most important symptoms and effects, both acute and delayed**

No information available.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Extinguishing powder  
In case of major fire and large quantities: Water spray jet, alcohol resistant foam  
Co-ordinate fire-fighting measures to the fire surroundings.

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

Non-flammable.  
In case of fire may be liberated:  
Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.  
See section 8.

#### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers.

### SECTION 6: Accidental release measures

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

Avoid contact with skin, eyes and clothes. Do not breathe gas/fumes/vapour/spray. Use personal protection equipment.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

#### **6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Handle and open container with care.  
Avoid contact with skin, eyes and clothes.  
Provide adequate ventilation.

##### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DEHS Di-Ethyl-Sebacinsäure-Ester

Revision date: 26.01.2021

Page 3 of 7

Usual measures for fire prevention.

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

##### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

##### **Hints on joint storage**

No information available.

#### **7.3. Specific end use(s)**

Plasticizer

### SECTION 8: Exposure controls/personal protection

#### **8.1. Control parameters**

##### **Additional advice on limit values**

To date, no national critical limit values exist.

#### **8.2. Exposure controls**



##### **Appropriate engineering controls**

Provide adequate ventilation as well as local exhaustion at critical locations.

##### **Protective and hygiene measures**

Observe the normal safety regulations when handling chemicals.

Do not breathe gas/fumes/vapour/spray.

Avoid contact with skin, eyes and clothes.

When using do not eat, drink, smoke, sniff.

##### **Eye/face protection**

Wear eye protection/face protection.

Filling and transfer: Use eye protection according to EN 166. (Recommendation)

##### **Hand protection**

Tested protective gloves must be worn (EN ISO 374).

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### **Skin protection**

Use of protective clothing. Chemical resistant safety shoes / Boots.

In case of skin contact: Wear an impervious suit.

##### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

##### **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:	colourless
Odour:	characteristic

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**DEHS Di-Ethyl-Sebacinsäure-Ester**

Revision date: 26.01.2021

Page 4 of 7

Odour threshold:	not determined	
		<b>Test method</b>
pH-Value:		not applicable
<b>Changes in the physical state</b>		
Melting point:		not determined
Initial boiling point and boiling range:		not determined
Flash point:		> 210 °C DIN ISO 2592
<b>Flammability</b>		
Solid:		not applicable
Gas:		not applicable
<b>Explosive properties</b>		
The product is not: Explosive.		
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Ignition temperature:		not determined
<b>Auto-ignition temperature</b>		
Solid:		not applicable
Gas:		not applicable
Decomposition temperature:		not determined
<b>Oxidizing properties</b>		
Not oxidising.		
Vapour pressure:		not determined
Density (at 20 °C):		0,913 g/cm <sup>3</sup>
Water solubility:		practically insoluble
<b>Solubility in other solvents</b>		
not determined		
Partition coefficient:		not determined
Viscosity / dynamic:		not determined
Viscosity / kinematic:		not determined
Vapour density:		not determined
Evaporation rate:		not determined

**9.2. Other information**

No information available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

No information available.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**DEHS Di-Ethyl-Sebacinsäure-Ester**

Revision date: 26.01.2021

Page 5 of 7

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**In case of fire may be liberated:  
Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

**ATEmix tested**

	Dose	Species	Source
LD50, oral	> 2000 mg/kg	Rat	
LD50, dermal	> 2000 mg/kg	Rat	

**Irritation and corrosivity**Based on available data, the classification criteria are not met.  
Skin corrosion/irritation: none. Has degreasing effect on the skin.  
Serious eye damage/eye irritation: slightly irritant (Practical/human experience.)**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information****12.1. Toxicity**

The product is not: Ecotoxic.

Aquatic toxicity

EC 50 / 48 h: &gt; 1000 mg/l Daphnia magna (Big water flea)

**12.2. Persistence and degradability**

No further relevant information available.

**12.3. Bioaccumulative potential**

No further relevant information available.

**12.4. Mobility in soil**

No further relevant information available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

No further relevant information available.

**Further information**

Avoid release to the environment.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**DEHS Di-Ethyl-Sebacinsäure-Ester**

Revision date: 26.01.2021

Page 6 of 7

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation.

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself. Dispose of waste according to applicable legislation.

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Water hazard class (D): awg - generally hazardous to water

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**DEHS Di-Ethyl-Sebacinsäure-Ester**

Revision date: 26.01.2021

Page 7 of 7

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Abbreviations and acronyms**

CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
SVHC: Substance of Very High Concern

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*