

# MATERIAL SAFETY DATA SHEET

## Diethyl Sebacate

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

#### **1.1. Product identifier**

Product name:	Diethyl Sebacate
CAS-No. :	122-62-3
EC / List No. :	204-558-8

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

Identified uses :	Cosmetic and industrial use
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#### **1.3. Details of the supplier of the safety data sheet**

<b>Company name:</b>	East Harbour Group Ltd
	Miranda House, The Quay
	Harwich, Essex, CO12 3HH
	United Kingdom
<b>Tel:</b>	+44(0)333 242 0100
<b>Email:</b>	<a href="mailto:info@eastharbourgroup.com">info@eastharbourgroup.com</a>

#### **1.4. Emergency telephone number**

<b>Emergency tel:</b>	+44(0)333 242 0100
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### **Section 2: Hazardous 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: no additional information available

#### **2.2. Label elements**

No labelling applicable

#### **2.3 Other hazards**

This substance does not meet the PBT criteria of REACH regulation, annex XIII

This substance does not meet the vPvB criteria of REACH regulation, annex XIII

### Section 3: Composition/information on ingredients

#### 3.2. Mixtures

CAS #	Content (W/W)	Ingredients
122-62-3	/	Diethylhexyl sebacate

Chemical name: Dioctyl Sebacate

Common name / synonyms: Diethylhexyl sebacate

### Section 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact: rinse immediately with plenty of water (for at least 15 minutes). Soap may be used.

In case of eye contact: Immediately flush eyes thoroughly with water for at least 15 minutes.

If swallowed: Give nothing to drink. Do not induce vomiting without medical advice. Get immediate medical advice/attention.

If inhaled: Take victim to fresh air, in a quiet place and if necessary take medical advice.

#### 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

No information available

### Section 5: Fire-fighting measures

#### 5.1. Fire Fighting Media and Instructions:

Suitable extinguishing media: Carbon dioxide (CO<sub>2</sub>), dry chemical powder, foam

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

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

Fire hazard: none known

Hazardous decomposition products in case of fire: carbon oxides

#### 5.3. Advice for firefighters

Protection during firefighting: use normal individual fire protective equipment

## Section 6: Accidental release measures

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

General measures: avoid contact with skin and eyes

Emergency procedures: evacuate unnecessary personnel

### 6.2. Environmental precautions

Avoid release into the environment

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

Recover large spills by pumping (use an explosion proof or hand pump). If recovery is impossible or if the pools are too small, absorb with: sand/earth or inert absorbent material. Shovel into suitable and closed container or disposal.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

Do not drink, eat or smoke in the workplace. Always wash hands after handling the product. Take off immediately all contaminated clothing.

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

Store in original container. Keep container tightly closed and in a well-ventilated place. Store at room temperature. Store at 5-30 C. Keep away from sources of ignition.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

No information available

### 8.2. Exposure controls

No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety.

### 8.3 Personal protective equipment

Eye/face protection: Safety glasses

Skin protection: Wear suitable protective clothing or a lab coat. Wear suitable gloves resistant to chemical penetration. (Dir. 89/686/CEE).

Respiratory protection: Respiratory protection not required

## Section 9: Physical and chemical properties

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

<b>Appearance</b>	Colourless, light yellow
<b>Physical State</b>	Liquid
<b>Odor</b>	Slight
<b>Odor Threshold</b>	No information available
<b>pH</b>	No information available
<b>Melting Point/Range</b>	No information available
<b>Boiling Point/Range</b>	>300 (Lit)
<b>Flash Point</b>	212 C
<b>Evaporation Rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Explosion Limits</b>	Product is not explosive
<b>Vapor Pressure</b>	<0.1 Pa (Lit)
<b>Vapor Density</b>	No information available
<b>Specific Gravity / Density</b>	0.913-0.917 g/cm <sup>3</sup> (20C)
<b>Bulk Density</b>	No information available
<b>Water Solubility</b>	Insoluble
<b>Solubility in other solvents</b>	No information available
<b>Partition Coefficient</b>	No information available
<b>Auto-ignition temperature</b>	Not flammable
<b>Decomposition temperature</b>	No information available

## Section 10: Stability and reactivity

**10.1. Reactivity** Suitable packing materials. Plastic drum or iron drum with internal coating

**10.2. Chemical stability** Stable at ambient temperature and under normal conditions of use

### 10.3. Possibility of hazardous reactions

**Hazardous Reactions** No information available

**10.4. Conditions to avoid** No information available

**10.5. Incompatible materials** Strong oxidisers

**10.6. Hazardous decomposition products** Thermal decomposition generates carbon oxides (CO, CO<sub>2</sub>)

## Section 11: Toxicological information

### Product Information

#### 11.1 Toxicological effects:

LD50 oral: >2000 mg/kg bodyweight (mouse)

LD50 dermal rat: >2000 mg/kg bodyweight (results obtained on a similar product) (Lit)

LC50 inhalation rat (mg/l): >3.2 mg/l (results obtained on a similar product) (Lit)

Skin corrosion/irritating: not irritating

Serious eye damage/irritation: slightly irritating

Respiratory or skin sensitisation: not sensitising effect known (results obtained on a similar product) (Lit)

Germ cell mutagenicity: not mutagenic (AMES Test). (results obtained on a similar product) (Lit)

Carcinogenicity: No information available

Reproductive toxicity: NOAEL development>= 1000 mg/kg bw (rat) (results obtained on a similar product) (Lit)

STOT-single exposure: not classified

STOT-repeated exposure: not classified

Aspiration hazard: not classified

Viscosity, kinematic: 21-25 mm<sup>2</sup>/s (20 C)

## Section 12: Ecological information

### 12.1 Toxicity

#### Ecotoxicity effects

Toxicity

LC50 fish 1: >1000 (96h) *Leuciscus idus* (golden orfe) (Lit)

EC50 *Daphnia* 1: >1000 (48h) (*Daphnia Magna*) (Lit)

ErC50 (algae): >1000 mg/l (72h) (*Desmodesmus subspicatus*) (Lit)

Persistence and degradability

Readily biodegradable

Biodegradation: 85% after 28 days

Bioaccumulative potential

Log Pow: 3.74 (Lit)

Mobility in soil

No information available

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## Section 13: Disposal considerations

### 13.1 Waste treatment methods

**Waste disposal of substance:**

External treatment and disposal of waste should comply with applicable local/national regulations.

**Container disposal:**

Dispose of waste cans and containers according to local regulations.

## Section 14: Transport Information

	ADR	IMDG	IATA	ADN	RID
<b>UN Number</b>	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>UN proper shipping name</b>	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>Transport hazard classes</b>	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>Packing group</b>	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>Environmental hazards</b>	Dangerous for the environment: no	Dangerous for the environment: no Marine pollutant: no	Dangerous for the environment: no	Dangerous for the environment: no	Dangerous for the environment: no

## Section 15: Regulatory Information

No REACH Annex XVII restrictions

Diethylhexyl sebacate is not on the REACH Candidate List