

MATERIAL SAFETY DATA SHEET

Dioctyl Sebacate

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

1.1. Product identifier

Product name:	Dioctyl 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

Company name:	East Harbour Group Ltd Miranda House, The Quay Harwich, Essex, CO12 3HH United Kingdom
Tel:	+44(0)333 242 0100
Email:	info@eastharbourgroup.com

1.4. Emergency telephone number

Emergency tel:	+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 (CO₂), 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

Appearance	Colourless, light yellow
Physical State	Liquid
Odor	Slight
Odor Threshold	No information available
pH	No information available
Melting Point/Range	No information available
Boiling Point/Range	>300 (Lit)
Flash Point	212 C
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Explosion Limits	Product is not explosive
Vapor Pressure	<0.1 Pa (Lit)
Vapor Density	No information available
Specific Gravity / Density	0.913-0.917 g/cm ³ (20C)
Bulk Density	No information available
Water Solubility	Insoluble
Solubility in other solvents	No information available
Partition Coefficient	No information available
Auto-ignition temperature	Not flammable
Decomposition temperature	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 ₂)

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 mm²/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
UN Number	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
UN proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard classes	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	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