



## SAFETY DATA SHEET

### DIOCTYLTEREPHTHALATE

#### 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name:	DIOCTYLTEREPHTHALATE
Recommended use:	Chemical for industrial
Manufacturer/Supplier:	<b>MODERN CHEMICAL CO.,LTD.</b> 82/80 Soi Ekamai 22 (Nuannoi), Sukhumvit 63, Klong Tan Nuea, Watthana, Bangkok 10110
Telephone No:	0-2715-0897-9, 0-2392-3410-3
Fax No:	0-2715-0908-9, 0-2391-1571-2
Emergency Telephone No:	0-2715-0897-9, 0-2392-3410-3

#### 2. HAZARDS IDENTIFICATION

##### Label elements

No Hazard Symbol required.

##### Hazard statement(s):

Not classified as hazardous under GHS criteria.

##### Precautionary statement(s):

- 1.) P240 - Ground/bond container and receiving equipment.
  - 2.) P241 - Use explosion-proof electrical, ventilating, and lighting equipment.
  - 3.) P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
  - 4.) P273 - Avoid release to the environment.
  - 5.) P280 - Wear protective gloves/protective clothing/eye protection/face protection.
  - 6.) P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
  - 7.) P303+P361+P353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
  - 8.) P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  - 9.) P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
-



10.) P403+P235 - Store in a well-ventilated place. Keep cool.

11.) P501 - Dispose of contents/container in accordance with local regulation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonym:** Bis(2-ethylhexyl) terephthalate; Di (2-ethylhexyl) terephthalate; 1,4-benzenedicarboxylic acid bis(2-ethylhexyl) ester

Ingredients	% (w/w)	CAS NO.
DIOCTYLTEREPHTHALATE	100	6422-86-2

### 4. FIRST AID MEASURES

**General advice:** No data available.

**Inhalation:** Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

**Skin contact:** Wash with soap and water. Get medical attention if symptoms occur.

**Eye contact:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

**Ingestion:** Seek medical advice.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Water spray. Dry chemical. Foam. Carbon Dioxide.

**Unsuitable Extinguishing Media:**

None known.

**Specific hazards arising from Chemicals:**

None known.

**Special protective equipment for fire-fighters:**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear appropriate personal protective equipment.

**Environmental precautions:** Avoid release to the environment.



## Methods and Material for Containment and Clean Up:

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling & Product Transfer:

No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the MSDS for additional personal protection advice when handling this product.

### Conditions for Safe Storage & Unsuitable Materials:

Keep container closed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:** If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Appropriate Engineering Controls:** Eye bath. Washing facilities.

### Individual Protection Measures

**Respiratory protection:** No data available.

**Hand protection:** It is a good industrial hygiene practice to minimize skin contact.

**Eye protection:** It is a good industrial hygiene practice to minimize eye contact.

**Skin and body protections:** It is a good industrial hygiene practice to minimize skin contact.

**Hygiene measures:** No data available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form, Color and Odor:</b> liquid, colourless, Mild	<b>Evaporation rate :</b> N/A
<b>Melting Point:</b> N/A	<b>Specific gravity :</b> 0.981 – 0.987 g/cm <sup>3</sup> at 20 °C
<b>pH:</b> N/A	<b>Solubility in water :</b> <0.00001 g/l at 25 °C
<b>Boiling:</b> 400 °C	<b>Viscosity :</b> 66.9 mm <sup>2</sup> /s at 25 °C
<b>Vapor pressure:</b> N/A	<b>Vapor density:</b> N/A
<b>Lower explosion limits:</b> N/A	<b>Upper explosive limit :</b> N/A



<b>Auto-ignition temperature:</b> N/A	<b>Flash point :</b> 212 °C
<b>Odour threshold:</b> N/A	<b>Flammability (solid, gas) :</b> N/A
<b>Decomposition temperature:</b> N/A	<b>Solubility in other solvents :</b> N/A
<b>n-octanol/water partition coefficient (log P<sub>ow</sub>):</b> 8.39	

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable.
<b>Reactions:</b>	None known.
<b>Possibility of Hazardous Reactions:</b>	None known.
<b>Conditions to avoid:</b>	None at ambient temperatures.
<b>Materials to avoid:</b>	Strong oxidizing agents.
<b>Hazardous decomposition products:</b>	Carbon monoxide, carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	LD50 (Oral, rat): > 5000 mg/kg LD50 (Dermal, guinea pig): >20 ml/kg LCLo (Inhalation, rat): >0.0718 mg/l-6h
<b>Sensitization:</b>	Virtually nontoxic after a single ingestion and virtually nontoxic after a single skin contact.
<b>Chronic toxicity:</b>	No data available.
<b>Further toxicological information:</b>	No data available.

## 12. ECOLOGICAL INFORMATION

<b>Toxicity</b>	
Toxicity to fish:	LC50 - <i>Salmo gairdneri</i> , syn. <i>O. mykiss</i> : >0.25 mg/l-7d
Toxicity to daphnia and other aquatic invertebrates:	EC50 - <i>Daphnia magna</i> : >1.4 ug/L-48h
Toxicity to algae:	EC50 - <i>Selenastrum capricornutum</i> : > 0.86 mg/l -72h
Toxicity to bacteria:	No data available.
Biodegradability remark:	Readily biodegradable.
Bioaccumulative potential:	Accumulation in organisms is not to be expected.



Mobility: No data available.

Affected in any other way: No data available.

### 13. DISPOSAL CONSIDERATIONS

**Material Disposal:** Dispose of waste and residues in accordance with local authority requirements.

Incinerate.

**Container Disposal:** No data available.

### 14. TRANSPORT INFORMATION

#### ADR

Class not regulated

#### IMDG

International Maritime Dangerous Goods Code

Class not regulated

#### IATA

Class not regulated

### 15. REGULATORY INFORMATION

**TSCA (US Toxic Substances Control Act):** This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

**DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act):**

This product is listed on the DSL. Any impurities present in this product are exempt from listing.

**AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals**

**Notification and Assessment Scheme):** This product is listed on AICS or otherwise complies with NICNAS.

**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.

**ECL (Korean Toxic Substances Control Act):** This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.

**Philippines Inventory (PICCS):** This product is listed on the Philippine Inventory or otherwise complies with PICCS.

**Inventory of Existing Chemical Substances in China:** All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

---



## 16. OTHER INFORMATION

Modern Chemical Co.,Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensive or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Modern Chemical Co.,Ltd. makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Modern Chemical Co.,Ltd. will not be responsible for damages resulting from use of or reliance upon this information.

Modernchemical.co.,Ltd