



## **SAFETY DATA SHEET**

### **1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY**

Catalogue No. : D 10229  
Product Name : Dibutyl phthalate

#### Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin , India  
Tel - 0484 2800212 , 2802755

Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483  
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

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### **2. COMPOSITION / INFORMATION ON INGREDIENTS**

Synonyms : phthalic acid dibutyl ester.  
EC-No. : 202-860-4  
CAS-No : 84-74-2  
Molar Mass : 278.35  
Molecular Formula:  $C_{16}H_{22}O_4$

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### **3. HAZARDS IDENTIFICATION**

Possible risk of impaired fertility. Possible risk of harm to the unborn child. Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

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### **4. FIRST AID MEASURES**

After inhalation: fresh air. Consult doctor if feeling unwell.

After skin contact: wash off with plenty of water. Remove contaminated clothing.

After eye contact: rinse out with plenty of water With eyelids held open. Summon eye specialist.

After swallowing: Induce vomiting. Make victim drink plenty of water. Summon doctor.

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### **5. FIRE – FIGHTING MEASURES**

Suitable extinguishing media: powder ,foam, CO<sub>2</sub>

Special risks: Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

Special protective equipment for fire fighting: Do not stay in dangerous zone without suitable Chemical protection clothing and self-contained breathing apparatus

Other information: Contain escaping vapours with water. Prevent fire fighting water entering from surface water or ground water.

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### **6. ACCIDENTAL RELEASE MEASURES**

Procedures for cleaning / absorption:

Take up with liquid absorbent material (Eg chemisorb ). Forward for disposal. Clean up affected area

Environmental protection measures: Do not allow to enter sewage system.

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### **7. HANDLING AND STORAGE**

Handling: No further requirements

Storage: Tightly closed. In a well ventilated place , At +15<sup>0</sup>C to +25<sup>0</sup>C.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection: required when vapours / Aerosols are generated.

Eye protection: required

Hand protection: required

Industrial hygiene: Change contaminated clothing. Application of skin protective barrier cream recommended. Wash hands after working with substance. Under no circumstances eat or drink at work place.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid  
Colour : colourless to yellowish  
Odour : characteristic

Melting temperature: not available

Boiling temperature : ~ 340 °C

PHvalue : not available

Ignition temperature: ~370 °C

Flash point : 171 °C

Explosion limits lower : not available

Upper : not available

Relative vapour density : Not available

Density (20°C) : 1.05 g/cm<sup>3</sup>

Solubility in

water (20°C): 0.4 g/l

ethanol(20°C) : soluble

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### 10. STABILITY AND REACTIVITY

Conditions to be avoided: none

Substance to be avoided: Strong oxidising agent.

Hazardous decomposition products: none.

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### 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD<sub>50</sub>(oral, rat):8000 mg/kg

Further toxicological information:

After swallowing: nausea, vomiting.

After uptake of large quantities: hallucinations.

Subacute to chronic toxicity:

The possibility of an embryotoxic effect has not been fully assessed. Animal experiments suggests that the substance may lead to an impairment of reproductive performance also in man.

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### 12. ECOLOGICAL INFORMATION

Behaviour in environmental compartments:

Distribution: log P(oct): 4.6-4.9

Ecotoxic effects:

Toxic for aquatic organisms.

Fish toxicity: Daphnia magna EC<sub>50</sub>: etwa 3mg/l/48h.

Daphnia toxicity: L.macrochirus LC<sub>50</sub>: 0.85mg/l/96h.

Further ecologic data:

Do not allow to enter waters, waste water, or soil

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### 13. DISPOSAL METHOD

**Product :** There are no uniform EC regulations for The disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations . We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste .

**Packaging :** Disposal in compliance with official Regulations. Handle contaminated packaging as In the same way as the substance itself . If not officially specified differently , non – contaminated packaging may be treated like household waste or recycled

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### 14. TRANSPORT INFORMATION

Transport over land

ADR/RID and GGVS/GGVE : GGVS/GGVE class: 9 Number and letter:11c

ADR/RID class : 9 Number and letter:11c

Name of material : ENVIRONMENTALLY HAZARDOUS

SUBSTANCE, LIQUID, N.O.S (DIBUTYLPHATHALATE)

River transport AND/ADNR: Not examined

Sea transport IMDG : IMDG class:9 UN –No.:3082 Packaging group: III

Ems : MFAG: 4.2

Correct technical name: ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S (DIBUTYLPHATHALATE)

Air transport

ICAO-TI and IATA-DGR: ICAO/IATA class: 9UN/ID-No.: 3082 Packaging group: III

Correct technical name: ENVIRONMENTALLY HAZARDOUS  
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### 15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xn Harmful  
N Dangerous for the environment.

R- Phrases : 62-63-50/53 possible risk of impaired fertility. Possible risk of harm to the unborn child. Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

S-phrases : 36/37-61 Wear suitable protective clothing and gloves. Avoid release to the environment.

Water pollution class : 2 (polluting substance)

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### 16. OTHER INFORMATION

Reason for alteration

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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