

MATERIAL SAFETY DATA SHEET

Product Name: Dibutyl phthalate

CAS No.: 84-74-2

Version: 0

1. Identification

Product Code : 90155,90395
Company Name : Advent Chembio Private Limited
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2. Hazards Identification**Hazard classification**

Reproductive toxicity : Category 1 B
Acute aquatic toxicity : Category 1

Label elements**Hazard symbol**

Signal word : Danger
Hazard statement : May damage the unborn child. Suspected of damaging fertility.
Very toxic to aquatic life.
Precautionary statement : Obtain special instructions before use.
Avoid release to the environment.
IF exposed or concerned: Get medical advice/ attention.
Supplemental Hazard Statements : None

3. Composition/information on ingredients

Ingredient	CAS No
Dibutyl phthalate	84-74-2

4. First Aid Measures**Description of first aid measures**

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation : If breathed in, move person into fresh air. If not breathing, give

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- Skin contact** : artificial respiration. Consult a physician.
: Wash off with soap and plenty of water. Consult a physician.
- Eye contact** : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Swallowed** : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- Most important symptoms and effects, both acute and delayed** : The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
- Indication of any immediate medical attention and special treatment needed Treatment** : No data available

5. Fire fighting measures**Extinguishing media**

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

- Special hazards arising from the substance or mixture** : Carbon oxides

- Advice for firefighters** : Wear self contained breathing apparatus for fire fighting if necessary

- Further information** : No data available

6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

- Environmental precautions** : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

- Methods and materials for containment and cleaning up** : Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

- Reference to other sections** : For disposal see section 13.

MATERIAL SAFETY DATA SHEET**Product Name:** Dibutyl phthalate**CAS No.:** 84-74-2**Version:** 0**7. Handling and Storage**

- Precautions for safe handling** : Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Specific end use(s)** : No data available

8. Exposure Controls Personal Protection**Control parameters****Components with workplace control parameters****Exposure controls**

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection : Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection Hand protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace..

Respiratory protection : Respiratory protection is required.

9. Physical and Chemical Properties

- Appearance** : Liquid.
- Odor** : No data available
- pH** : No data available
- Melting point/freezing point** : -35 °C - lit.
- Initial boiling point and boiling range** : 340 °C - lit.
- Flash Point** : 171.0 °C - closed cup
- Vapor pressure** : 1.3 h Pa at 14.,0 °C
- Vapor density** : No data available

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Relative density : 1.043 g/cm³ at 25 °C
Solubility in water : 0.0114 g/l at 25 °C - OECD Test Guideline 105 - slightly soluble
Solubility (other) : No data available
Formula : C₁₆H₂₂O₄
Molecular Weight : 278.34g/mol

10. Stability and Reactivity

Reactivity : No data available
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : No data available
Conditions to avoid : No data available
Incompatible materials : Strong oxidizing agents, Nitrates, Bases, acids, Chlorine
Hazardous decomposition products : No data available

11. Toxicological Information**Information on toxicological effects**

Acute toxicity : LD₅₀ Oral - rat - 8.000 mg/kg
LC₅₀ Inhalation - rat - 4.250 mg/m³
LD₅₀ Dermal - rabbit - > 20.860 mg/kg

Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No eye irritation
Respiratory or skin sensitization : No data available
Germ cell mutagenicity : No data available
Carcinogenicity : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity : Presumed human reproductive toxicant
Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.
Specific target organ toxicity - single exposure : No data available.
Specific target organ toxicity - repeated exposure : No data available.
Aspiration hazard : No data available
Signs and Symptoms of Exposure : To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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12. Ecological Information

- Toxicity** : LC50 - Pimephales promelas (fathead minnow) - 0,85 mg/l - 96,0 h
 NOEC - Pimephales promelas (fathead minnow) - 0,32 mg/l - 96,0 h
 Toxicity to daphnia and other aquatic invertebrates
 LC50 - Daphnia magna (Water flea) - 3,7 mg/l - 48 h
- Persistence and degradability** : Result: 81 % - Readily biodegradable.
 (C.4-C of the COUNCIL REGULATION (EC) No 440/2008)
- Bioaccumulative potential** : Pimephales promelas (fathead minnow) - 11 d
 - 0,0348 mg/l Bioconcentration factor (BCF): 2.165
 Remarks: Does not bioaccumulate.
- Mobility in soil** : No data available.
- Other adverse effects** : Very toxic to aquatic life.

13. Disposal consideration

- Disposal instructions** : Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.
- Contaminated packaging** : Dispose of as unused product.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	3082	Dibutyl phthalate	9	III	YES
IMDG	3082	Dibutyl phthalate	9	III	YES
IATA	3082	Dibutyl phthalate	9	III	YES

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
 No Data Available.

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