



Serving Scientific Community
Since 1985



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket 'D', Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

Di-n-Butyl Phthalate MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product form : Substance
EC No : 201-557-4
CAS No. : 84-74-2
Product code : 38208
Synonyms : n-Butyl phthalate / Phthalic acid dibutyl ester

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

1.2.1. Relevant identified uses

Industrial/professional use spec : Industrial
For professional use only :
Use of the substance/mixture : Laboratory Reagent

1.2.2. Uses advised against

No additional information available

1.3. Details of the manufacturer of the safety data sheet

Techno Pharmchem
Plot No.1022, Modern Industrial Estate,
Bahadurgarh-124507, India
T +91 11 23646422
info@technopharmchem.com

1.4. Emergency telephone number

Emergency number: +91 11 23646422 (9:30am – 5.30pm)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008[CLP]

Reproductive toxicity, H360Df

Category 1A

Hazardous to the aquatic H400

environment — Acute

Hazard, Category 1

Full text of H statements: see section 16

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Classification according to directive 67/548/EEC [DSD] or 1999/45/EC

Repr.Cat.2; R61

Repr.Cat.3; R62

N; R50

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labeling according to regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : Danger

Hazard statements (CLP) : H360Df - May damage the unborn child.
Suspected of damaging fertility

Precautionary statements (CLP) : H400 - Toxic to aquatic life
P201 - Obtain special instructions before use.
P273 - Avoid release to the environment.
P308+P313 - IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Name : DIBUTYL PHTHALATE FOR SYNTHESIS

CAS-No. : 84-74-2

EC-No. : 201-557-4

Full text of R- and H- statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general : If exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact : Wash with plenty of water/.... Get immediate medical advice/attention

First-aid measures after eye contact : Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing. Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting.

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4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Suspected of damaging fertility. May damage the unborn child.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide, Dry powder, foam, Water spray.
Unsuitable extinguishing media : Do not use a heavy water steam.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spillage. On land, sweep or shovel into suitable containers.

6.4. Reference to other sections

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SECTION 7: HANDLING AND STORAGE

7.1. Precaution for safe handling

Precautions for safe handling	:	Obtain special instructions before use. Avoid contact with skin and eyes. Do not breathe vapors.
Hygiene measures	:	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any compatibilities

Storage conditions	:	Store in a well-ventilated place. Keep container tightly closed
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7.3. Specific end use (s)

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection	:	Protective gloves
Eye protection	:	Chemical goggles or safety glasses
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	In case of inadequate ventilation wear respiratory protection

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	liquid
Molecular mass	:	278.35 g/mol
Color	:	clear viscous
Odor	:	Slight aromatic odor.
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting Point	:	-35°C
Freezing point	:	No data available
Boiling point	:	340°C
Flash point	:	171°C
Auto-ignition temperature	:	402°C
Decomposition temperature	:	No data available
Flammability (Solid, gas)	:	No data available

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Vapor pressure	:	<0.01@20°C
Relative vapor density at 20°C	:	9.6
Relative density	:	No data available
Density	:	1.05 g/cm ³
Solubility	:	water: Insoluble in water
Log pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosive limits	:	No data available

9.2. Other Information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No additional information available

10.2. Chemical Stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Air contact. Direct sunlight. Open flame.Overheating

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	:	Not classified
Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified

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Reproductive toxicity	:	May damage the unborn child. Suspected of damaging fertility
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - water : Toxic to aquatic life

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT AND vPvB assessment

DIBUTYL PHTHALATE FOR SYNTHESIS (84-74-2)

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

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

12.6. Other adverse effects

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product/packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR/RID: - 3082

IMDG: - 3082

IATA: - 3082

14.2 UN Proper shipping name

ADR/RID : Environmentally hazardous substance, liquid, n.o.s. (Dibutyl phthalate)

IMDG : Environmentally hazardous substance, liquid, n.o.s. (Dibutyl phthalate)

IATA : Environmentally hazardous substance, liquid, n.o.s. (Dibutyl phthalate)



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- | | | | |
|-------------|--|----------------------------|-------------|
| 14.3 | Transport Hazard class(es)
ADR/RID: - 9 | IMDG: - 9 | IATA: - 9 |
| 14.4 | Packaging group
ADR/RID: - III | IMDG: - III | IATA: - III |
| 14.5 | Environmental hazards
ADR/RID: Yes | IMDG Marine pollutant: Yes | IATA: Yes |
| 14.6 | Special precautions for user
No data available | | |

SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Ensure all local, regional, national and/or international regulations are observed.
- 15.2 Chemical safety Assessment**
For this product a chemical safety assessment was not carried out.

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Aquatic Acute	Acute aquatic toxicity
H360Df	May damage the unborn child. Suspected of damaging fertility.
H400	Toxic to aquatic life
Repr.	Reproductive toxicity
Full text of R-phrases referred to under sections 2 and 3	
N	Dangerous for the environment
T	Toxic
R50	Toxic to aquatic organisms
R61	May cause harm to the unborn child.
R62	Possible risk of impaired fertility
Repr.Cat.2	Toxic to Reproduction Category 2
Repr.Cat.3	Toxic to Reproduction Category 3

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