OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
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Tel: +91 250 2390032 / 2390989 / 2390990
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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

ISO-PHTHALIC ACID 99% (For Synthesis)

MSDS CAS: 121-91-5

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: ISO-PHTHALIC ACID 99% (For Synthesis)
CAS#: 121-91-5
Chemical Name: ISO-PHTHALIC ACID 99% (For Synthesis)
Synonym: Benzene-1,3-dicarboxylic acid
Chemical Formula: C8H6O4

Brand : OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
ISO-PHTHALIC ACID 99% (For Synthesis)	121-91-5	-

Toxicological Data on Ingredients: Not available.

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Section 3: Hazards Identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
Not a hazardous substance or mixture.

Other hazards: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Rapidly absorbed through skin.

Section 4: First Aid Measures

Eye Contact: Flush eye with water as a precaution.

Skin Contact: Wash off with soap and plenty of water.

Serious Skin Contact: Not available.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Serious Inhalation: Not available.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

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 firefighting if necessary.
Further information: No data available

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Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Environmental precautions: No required.
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.

Section 7: Handling and Storage

Precautions for safe handling: Provide appropriate exhaust ventilation at the place where dust is formed.**Conditions for safe storage, including any incompatibilities:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Non-combustible solids.

Section 8: Exposure Controls/Personal Protection

Control parameters:
Exposure controls:

Appropriate engineering controls: General industrial hygiene practice.

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

Skin 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: Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to enginee protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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Section 9: Physical and Chemical Properties

Physical state and appearance	**: Powder.**
Odor	**: Not available.**
Taste	**: Not available.**
Molecular Weight	**: Not available.**
Color	**: Beige.**
pH (1% soln/water)	**: Not available.**
Boiling Point	**: Not available.**
Melting Point	**: 341-343 °C - lit.**
Critical Temperature	**: Not available.**
Specific Gravity	**: Not available.**
Vapor Pressure	**: Not available.**
Vapor Density	**: Not available.**
Volatility	**: Not available.**
Odor Threshold	**: Not available.**
Water/Oil Dist. Coeff.	**: Not available.**
Ionicity (in Water)	**: Not available.**
Dispersion Properties	**: Not available.**
Solubility	**: Not available.**

Section 10: Stability and Reactivity Data

Stability	**: Stable under recommended storage conditions.**
Instability Temperature	**: Not available.**
Conditions of Instability	**: Not available.**
Incompatible materials	**: Strong oxidizing agents, Strong bases.**
Corrosivity	**: Not available.**
Special Remarks on Reactivity	**: Not available.**
Special Remarks on Corrosivity	**: Not available.**
Polymerization	**: Will not occur.**

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Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity:

LD50 oral – Rat, male and female- >5000 mg/kg (Iso-phthalic acid)

Skin corrosion/irritation: NO skin irritation-4 h

Serious eye damage/eye irritation: NO eye irritation-2 h

Respiratory or skin sensitization: Does not cause skin sensitization in gunia pigs.

Carcinogenicity IARC: 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.

Section 12: Ecological Information

Toxicity

Toxicity to fish: Static test LC50 – Leuciscus idus melanotus - 907 mg/l - 96 h (Iso-phthalic acid) (OECD test guideline 203)

Persistence and degradability: Aerobic- exposure time-14 d (Iso-phthalic acid)

Bioaccumulative potential: No data available (Iso-phthalic acid)

Mobility in soil: No data available (Iso-phthalic acid)

Results of PBT and vPvB assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects: No data available.

Section 13: Disposal Considerations

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

General information: **Not regulated.**

Sea transport (IMDG) [English only]

General information: **Not regulated.**

Air transport (ICAO-IATA) [English only]

General information: **Not regulated.**

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

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

Chemical safety assessment

For this product a chemical safety assessment was not carried out

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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