OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

DI-n-BUTYLTIN DI LAURATE
(D.B.T.D.L.)
MSDS CAS: 77-58-7

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: DI-n-BUTYLTIN DI LAURATE
CAS#: 77-58-7
Chemical Name: DI-n-BUTYLTIN DI LAURATE

Chemical Formula:

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
Dibutyltin dilaurate	77-58-7	100 %

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
Skin corrosion (Category 1B), H314
Skin sensitisation (Category 1), H317
Germ cell mutagenicity (Category 2), H341
Reproductive toxicity (Category 1B), H360
Specific target organ toxicity - single exposure, Oral (Category 1), thymus gland, H370
Specific target organ toxicity - repeated exposure, Oral (Category 1), thymus gland, H372
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410

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.

Section 4: First Aid Measures

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

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.

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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, Tin/tin oxides
Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.
Further information: No data available

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. Evacuate personnel to safe areas.

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.

Section 7: Handling and Storage

Precautions for safe handling: Avoid exposure - obtain special instructions before use.Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

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. Light sensitive. Moisture sensitive. Handle and store under inert gas. Storage class (TRGS 510): Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects.

Section 8: Exposure Controls/Personal Protection

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: Tightly fitting safety goggles. Faceshield (8-inch minimum). 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).

Section 9: Physical and Chemical Properties

Physical state and appearance	**: Liquid.**
Odor	**: Not available.**
Taste	**: Not available.**
Molecular Weight	**: Not available.**
Color	**: Light yellow.**
pH (1% soln/water)	**: Not available.**
Boiling Point	**: Not available.**
Melting Point	**: Not available.**
Critical Temperature	**: Not available.**
Specific Gravity	**: Not available.**
Vapor Pressure	**: 0.2 mmHg at 160 °C**
Vapor Density	**: 1.066 g/cm3 at 25 °C**
Volatility	**: Not available.**
Odor Threshold	**: Not available.**

Section 9: Physical and Chemical Properties (Continued)

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.**

Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity:

LD50 Oral - Rat - 2,071 mg/kg (Dibutyltin dilaurate) (OECD Test Guideline 401) LD50 Dermal - Rat - > 2,000 mg/kg(Dibutyltin dilaurate)

Skin corrosion/irritation: Skin - Rabbit(Dibutyltin dilaurate) Result: Corrosive, category 1C - where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days. (OECD Test Guideline 402)

Serious eye damage/eye irritation: Eyes – Rabbit (Dibutyltin dilaurate) Result: Severe eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitization: Maximisation Test - Guinea pig (Dibutyltin dilaurate) May cause allergic skin reaction. (OECD Test Guideline 406)

Carcinogenicity IARC: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Tin/tin oxides. Other decomposition products - No data available.

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Section 11: Toxicological Information (Continued)

Carcinogenicity: This product is or contains a component that is not classifiable as to its classification.(Dibutyltin dilaurate) (Dibutyltin dilaurate) 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 daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - < 0.46 mg/l - 48 h(Dibutyltin dilaurate)

Persistence and degradability: Result: - According to the results of tests of biodegradability this product is not readily biodegradable.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

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: Very toxic to aquatic life with long lasting effects.

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)

Proper shipping name : **CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Dibutyltin dilaurate)**
UN N° : **3265**
ADR - Class : **8**

Sea transport (IMDG) [English only]

Proper shipping name : **CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Dibutyltin dilaurate)**
UN N° : **3265**
IMO-IMDG - Class or division : **8**
IMO-IMDG - Packing group : **III**

Air transport (ICAO-IATA) [English only]

Proper shipping name : **CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Dibutyltin dilaurate)**
UN N° : **3265**
IATA - Class or division : **8**
IATA - Packing group : **III**

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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