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-LITHIUM TETRABORATE 98% AR

MSDS CAS: 12007-60-2

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: di-LITHIUM TETRABORATE 98% AR
CAS#: 12007-60-2
Chemical Name: di-LITHIUM TETRABORATE 98% AR
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

Formula $Li_2B_4O_7$ $B_4Li_2O_7$ (Hill)
EC-No. 234-514-3
Molar mass 169.12 g/mol
Remarks No disclosure requirement according to Regulation (EC) No. 1907/2006.

Section 3: Hazards Identification

Classification of the substance or mixture: This substance is not classified as dangerous according to European Union legislation.

Other hazards: None known.

Section 4: First Aid Measures

Description of first aid measures After inhalation: fresh air.

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

After eye contact: rinse out with plenty of water. Remove contact lenses.

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

Most important symptoms and effects, both acute and delayed:

The following applies to lithium compounds in general: when handled or used inappropriately, the absorption of large quantities is followed by CNS disorders, agitation, spasms, ataxia (impaired locomotor coordination) due to disturbed electrolyte balance. The following applies to boron compounds in general: resorption is followed by nausea and vomiting, agitation, spasms, CNS disorders, cardiovascular disorders.

Indication of any immediate medical attention and special treatment needed No information available.

Section 5: Fire and Explosion Data

Extinguishing media Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media: For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture: Not combustible. Ambient fire may liberate hazardous vapours. Fire may cause evolution of: boron compounds

Advice for firefighters: Special protective equipment for firefighters In the event of fire, wear self-contained breathing apparatus.

Further information: Prevent fire extinguishing water from contaminating surface water or the ground water system.

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Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:
Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Section 7: Handling and Storage

Precautions:
Keep locked up. Keep container dry. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Never add water to this product. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Change contaminated clothing. Wash hands after working with substance.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

Personal Protection:
Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Respiratory protection:
required when dusts are generated.
Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances

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Section 8: Exposure Controls/Personal Protection (Continued)

The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance	**: Solid.**
Odor	**: Odorless.**
Taste	**: Not available.**
Molecular Weight	**: Not available.**
Color	**: White.**
pH (1% soln/water)	**: Not available.**
Boiling Point	**: Not available.**
Melting Point	**: ca. 930 °C.**
Critical Temperature	**: Not available.**
Specific Gravity	**: Not available.**
Vapor Pressure	**: Low.**
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	**: The product is stable.**
Instability Temperature	**: Not available.**
Conditions of Instability	**: Not available.**

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Section 10: Stability and Reactivity Data (Continued)

Incompatibility with various substances : **Not available.**
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:
• Inhalation: Based on available data, the classification criteria are not met.
• Dermal: Based on available data, the classification criteria are not met.
• Ingestion: Based on available data, the classification criteria are not met.
Corrosion: Based on available data, the classification criteria are not met.
Irritation: Based on available data, the classification criteria are not met.
Sensitization: Based on available data, the classification criteria are not met.
Mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Toxic for reproduction: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

Section 12: Ecological Information

Ecotoxicity:
Not available.
BOD5 and COD:
Not available.
Products of Biodegradation: Not available.
Toxicity of the Products of Biodegradation:
Not available.
Special Remarks on the Products of Biodegradation: Not available.
Results of PBT and vPvB assessment:
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

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Section 13: Disposal Considerations

Waste Disposal: **Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.**

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

National legislation

Storage class 10 – 13

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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