

MATERIAL SAFETY DATA SHEET**Product Name:** Lithium hydroxide monohydrate**CAS No.:** 1310-66-3**Version:** 0**1. Identification**

Product Code : 91531
Company Name : Advent Chembio Private Limited
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2. Hazards Identification**Hazard classification**

Acute toxicity, Oral : Category 4
Skin corrosion : Category 1 B

Labels elements

Hazard symbol



Signal word : Danger
Hazard statement : Harmful if swallowed.
Causes severe skin burns and eye damage.
Precautionary statement : Wear protective gloves/ protective clothing/ eye protection/ face protection.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Supplemental Hazard Statements : None

3. Composition/information on ingredients

Ingredient : Lithium hydroxide monohydrate
CAS No. : 1310-66-3
Percent : NLT 99.5%

MATERIAL SAFETY DATA SHEET**Product Name:** Lithium hydroxide monohydrate**CAS No.:** 1310-66-3**Version:** 0**Formula** : LiOH.H₂O**Molecular Weight** : 41.95g/mol**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 artificial respiration. Consult a physician.
- Skin contact** : Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
- Eye contact** : Flush eyes with water as a precaution.
- 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** : 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** : Lithium oxides
- Advice for firefighters** : Wear self contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. 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

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Methods and materials for containment and cleaning up : avoided.
: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage

Precautions for safe handling : Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store under inert gas.

8. Exposure Controls / Personal Protection

Exposure limit : No data available

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

Respiratory protection : Air-purifying respirators

Hand protection : Handle with gloves

Eye protection : Face shield and safety glasses

Skin and Body Protection : Complete suit protecting against chemicals

9. Physical and Chemical Properties

Appearance : White crystalline powder.

Odor : No data available

pH : 12 at 0.4 g/l

Melting point/freezing point : No data available

Initial boiling point and boiling range : 100 °C at 1013 h Pa

Flash Point : No data available

Vapor pressure : No data available

Vapor density : No data available

Relative density : 1.510 g/cm³

Solubility in water : 216 g/l at 20 °C

Solubility (other) : No data available

10. Stability and Reactivity

Reactivity : No data available

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : No data available

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Conditions to avoid : No data available
Incompatible materials : Strong oxidizing agents, Acids, Aluminum, Zinc
Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. - Lithium oxides

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

Acute toxicity : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Germ cell mutagenicity : No data available
Carcinogenicity
IARC : No data available
NTP : No data available
OSHA : No data available
Reproductive toxicity : No data available
Route of Exposure : No data available
Signs and Symptoms of Exposure : No data available

12. Ecological Information

Toxicity : No data available
Persistence and degradability : No data available
Bioaccumulative potential : No data available
Mobility in soil : No data available.
Other adverse effects : Harmful to aquatic life.

13. Disposal consideration

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

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	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	2680	LITHIUM HYDROXIDE	8	II	No
IMDG	2680	LITHIUM HYDROXIDE	8	II	No
IATA	2680	LITHIUM HYDROXIDE	8	II	No

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.

16. Other Information**Issue Date :01/12/2015****Version : 0**

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