

MATERIAL SAFETY DATA SHEET**Product Name:** Lithium iodide hydrate**CAS No.:** 85017-80-7 **Version:** 0**1. Identification**

Product Code : 92378
Company Name : Advent Chembio Private Limited
Address : W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.
E-mail : info@adventchembio.com
WEBSITE : www.adventchembio.com
Company Phone Number : 022-27690837

2. Hazards Identification

Hazard classification : Not classified
Label elements
Hazard symbol : No symbol
Signal word : No signal word.
Hazard statement : Not applicable.
Precautionary statement : Not applicable.
Other hazards which do not result in GHS classification : None.

3. Composition/information on ingredients

Ingredient	CAS No	Percent
Lithium iodide hydrate	85017-80-7	NLT- 98.0%

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 : Take off contaminated clothing and shoes immediately. 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 : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

MATERIAL SAFETY DATA SHEET**Product Name:** Lithium iodide hydrate**CAS No.:** 85017-80-7 **Version:** 0**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 fire fighting if necessary**Further information** : Use water spray to cool unopened containers.**6. Accidental Release Measures****Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.**Environmental precautions** : Do not let product enter drains.**Methods and materials for containment and cleaning up** : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal..**Reference to other sections** : For disposal see section 13.**7. Handling and Storage****Precautions for safe handling** : Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places 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.

Light sensitive. Air sensitive. hygroscopic Store under nitrogen.

Non Combustible Solids

Specific end use(s) : No data available**8. Exposure Controls Personal Protection****Control parameters****Components with workplace control parameters****Exposure controls****Appropriate engineering** : Handle in accordance with good industrial hygiene and safety

MATERIAL SAFETY DATA SHEET**Product Name:** Lithium iodide hydrate**CAS No.:** 85017-80-7 **Version:** 0

- controls** : practice. Wash hands before breaks and at the end of workday.
- Personal protective equipment**
- Eye/face protection** : Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin Protection Hand 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** : Respiratory protection is required.

9. Physical and Chemical Properties

- Appearance** : White crystals
- Odor** : No data available
- pH** : No data available
- Melting point/freezing point** : No data available
- Initial boiling point and boiling range** : No data available
- Flash Point** : No data available
- Vapor pressure** : No data available
- Vapor density** : No data available
- Relative density** : No data available
- Solubility in water** : No data available
- Solubility (other)** : No data available
- Formula** : $\text{LiI} \cdot \text{Xh}_2\text{o}$
- Molecular Weight** : 133.85 g/mol (Anhydrous)

10. Stability and Reactivity

- Reactivity** : No data available
- Chemical stability** : Stable under recommended storage conditions.
- Possibility of hazardous reactions** : No data available
- Conditions to avoid** : Avoid moisture.
- Incompatible materials** : Strong acids, Strong oxidizing agents
- Hazardous decomposition products** : No data available

MATERIAL SAFETY DATA SHEET**Product Name:** Lithium iodide hydrate**CAS No.:** 85017-80-7 **Version:** 0**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	:	No data available
Reproductive toxicity	:	May cause reproductive disorders
Specific target organ toxicity - single exposure	:	No data available
Specific target organ toxicity - repeated exposure	:	No data available
Aspiration hazard	:	No data available
Potential health effects	:	
Inhalation	:	No data available
Ingestion	:	No data available
Skin	:	No data available
Eyes	:	No data available
Signs and Symptoms of Exposure	:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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	:	No data available

MATERIAL SAFETY DATA SHEET**Product Name:** Lithium iodide hydrate**CAS No.:** 85017-80-7 **Version:** 0**13. Disposal consideration**

- Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws.
- Contaminated packaging** : Offer rinsed packaging material to local recycling facilities. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT			Not dangerous goods		
IMDG			Not dangerous goods		
IATA			Not dangerous goods		

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** :01/08/2014**Version** : 0

Disclaimer: This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. ADVENT CHEMBIO PRIVATE LIMITED makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the technical instructor in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of ADVENT CHEMBIO PRIVATE LIMITED and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY

MATERIAL SAFETY DATA SHEET**Product Name:** Lithium iodide hydrate**CAS No.:** 85017-80-7 **Version:** 0

AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).