

**MSDS****Material Safety Data Sheet**

24 HOUR EMERGENCY  
TELEPHONE NUMBER  
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**Lithium Carbonate, Saturated****Section I: IDENTIFICATION**

*Product Name:* **Lithium Carbonate, Saturated**  
*Azer Scientific Product Number(s):* **ES735, ES736**

**Section II: HAZARDOUS INGREDIENTS**

<i>Hazardous Component(s):</i>	<i>CAS Number</i>	<i>OHSA PEL, ACGIH TLV/STEL</i>	<i>NFPA</i>
Lithium Carbonate	554-13-2	NA	Health 2 Flammability 0 Reactivity 1

Note: Solution as offered is a saturated liquid and does not present the hazards normally associated with a dry powder.

**Section III: PHYSICAL DATA**

<i>Boiling Point:</i>	Decomposes	<i>Specific Gravity (H<sub>2</sub>O = 1):</i>	~1
<i>Vapor Pressure mm Hg/20 °C:</i>	NA	<i>Percent Volatile by Vol:</i>	NA
<i>Vapor Density (Air 1:1):</i>	NA	<i>Evaporation Rate (ether = 1):</i>	NA
<i>Solubility in H<sub>2</sub>O:</i>	1g/78 mLs water	<i>Appearance &amp; Odor:</i>	Clear, colorless liquid, particles in suspension.

**Section IV: FIRE/EXPLOSION HAZARD**

*Flash Point:* Non-Flammable      *Flammable Limits:* NA      UEL NA

*Extinguishing Media:* Water spray, dry chemical, CO<sub>2</sub> and foam

*Special Fire Fighting Procedures:* Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.

*Unusual Fire & Explosion Hazards:* May emit toxic fumes.

**Section V: REACTIVITY**

*Stability:* Stable

*Material to Avoid:* Strong acids

*Hazardous Decomposition or Byproducts:* Oxides of carbon

*Hazardous Polymerization:* Does not occur

*Conditions to Avoid:* Excessive heat

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## **Section VI: HEALTH HAZARDS**

*Routes of Entry:* Inhalation, Skin and Ingestion

*Acute:* Liquid will cause eyes, skin and respiratory irritation.

*Chronic:* May attack nervous system, gastrointestinal disturbances and convulsions.

*Carcinogenicity:* Not classified as a human carcinogen.

*Signs/Symptoms of Exposure:* Eye and skin irritation

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## **Section VI: HEALTH HAZARDS**

*Emergency First Aid:*

**Skin:** Remove contaminated clothing. Wash affected area with soap and water.

**Eyes:** Thoroughly flush eyes with water. Contact a physician if irritation persists.

**Ingestion:** Rinse mouth thoroughly with water, provided person is conscious and contact a physician.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

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## **Section VII: SAFE HANDLING**

*Chemical Release or Spill:* Isolate the spill area with sand, or other absorbent material. Neutralize with dilute acetic acid. Place all contaminated material in closed container for disposal.

*Waste Disposal Method:* All liquid and or contaminated material should be disposed of in DOT approved waste containers. Recycle or incineration for liquids is the suggested method of disposal. Comply with all Federal, State and Local regulations for disposal.

*Precautions for Handling and Storing:* Use normal precautions. Avoid excessive heat.

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## **Section VIII: CONTROL MEASURES**

*Respiratory Protection:* Not normally required. If used in a poorly ventilated area use under an approved fume hood or NIOSH approved respirator.

*Ventilation:* In ventilated areas, mechanical exhaust is sufficient.

*Protective Gloves:* Chemical resistant

*Eye Protection:* Safety glasses

*Other Protective Clothing or Equipment:* Normal laboratory apparel suggested by Good Laboratory Practices

*Work/Hygienic Practices:* Wash thoroughly with soap and water after handling.

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