



We Measure the World

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Material Safety Data Sheet

8.57m Lithium Chloride

40461

I – PRODUCT IDENTIFICATION

Issue Date: 07/14/2008
Formula: Lithium Chloride
Concentration: 8.57 Molal
Component: LiCl in H₂O
TSCA: YES **TLV/TWA:** Not Established
STEL: N/A **PEL:** N/A **Toxicity:** N/A

II – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name:</u>	<u>CAS Number:</u>
Lithium chloride	7447-41-8
Distilled Water	7732-18-5

III – HAZARD IDENTIFICATION

The hazardous properties of the product are considered to be limited.

NFPA Ratings: Health: 2 Flammability: 0 Reactivity: 0

IV – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless liquid
Odor:	Odorless
pH:	~6
Molecular Weight:	42.39
Boiling point:	100 °C
Vapor pressure:	N/A
Vapor density:	N/A
Freezing Point	N/A
Specific Gravity (H ₂ O=1)	N/A
Solubility:	Complete
Flash point:	N.A.

V – STABILITY AND REACTIVITY

Stable: Yes
Conditions to avoid: Heating to decomposition.
Incompatibles: N/A
Hazardous decomposition products: N/A



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VI – HEALTH HAZARD DATA

Inhalation: Not relevant under normal working conditions. Ensure supply of fresh air.

Skin contact: Possible skin irritation.

Eye contact: Splashes in the eyes may cause irritation, redness and pain.

Ingestion: Swallowing large amounts may cause gastrointestinal tract irritation. No hazard when handled properly.

Chronic Effect: Chronic overexposure may cause central nervous system effects, kidney damage.

Medical Conditions Generally Aggravated by Exposure: None Identified

Carcinogenicity: NTP: No IARC: No ZLIST: No OSHA Reg: No

VII– EMERGENCY FIRST AID PROCEDURES

CALL A PHYSICIAN

Inhalation: If uncomfortable, remove person to fresh air.

Skin contact: Wash exposed areas with water.

Eye contact: Irrigate with plenty of water. Remove contact lenses, if any

Ingestion: Do not induce vomiting, if conscious give water. Call a Physician.

VIII – FIRE-FIGHTING MEASURES

Extinguishing media: Use Appropriate

Special Fire-Fighting Procedures: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece operated in positive mode.

Auto Ignition Temperature: N/A

Lower Explosion Level: N/A

NFPA Rating: N/A

Toxic Gases Produced: N/A

Unusual Fires Explosion Hazards: N/A

IX – HANDLING AND STORAGE

Handling: Observe good industrial hygiene practices.

Storage: Store in closed original bottle. Keep container tightly closed

In Case of Spillage or Discharge: Provide optimum ventilation. Flush to holding area with plenty of water for neutralization.

Disposal of spillages and waste: Follow Federal, State, and Local regulations for waste.

EPA Hazardous Waste #: N/A

X – EXPOSURE CONTROL/PERSONAL PROTECTION

Ventilation: Local Exhaust.

Respiratory Protection: NIOSH approved respirator.

Personal protection: If there is a risk of splashing, use goggles with side shields. Use proper protective gloves

Other: Lab coat/apron; vent hood

NOTICE

The data and information as stated was furnished by the manufacturer of the product. Decagon Devices Inc products are intended for laboratory use only. All products should be handled and used by trained professional personnel only. The responsibility for the safe handling and use of these products rest solely with the buyer and/or user.