



Lithium Chloride, Solution

CAS No. 7447-41-8

QS-PDS-1057 Revision: 03

Date of Last Revision: September 15, 2022

**Formula:** LiCl

**Appearance:** Clear colorless solution

**Application:** Deicing solutions, low-freezing solutions for fire extinguishers, catalyst, and dehumidifying systems, photosensitive developer compositions.

<b>Product Specifications:</b>	LiCl, wt. %	40.0 min	42.0 max
	Alkalinity as LiOH, N	0.082 min	0.093 max
	CaCl <sub>2</sub> , wt. %	0.05	max
	Impurities on LiCl Basis		
	NaCl, wt. %	0.4	max

\* Special formulations can be prepared to meet a customer's specific needs.

<b>Physical Properties:</b>	(40% LiCl)	
	Crystallization Temperature	-3°C (LiCl·2H <sub>2</sub> O)
	Boiling Point	133°C
	Heat Capacity @ 18°C	2.69 joules/g/°C
	Vapor Pressure:	
	Temperature @ 20 °C	3.3 mm Hg
	Temperature @ 40 °C	13 mm Hg
	Temperature @ 60 °C	40 mm Hg
	Temperature @ 80 °C	98 mm Hg
	Temperature @ 100 °C	210 mm Hg
Density @ 25°C	1.260 g/cc	

**Solubility:** NONE

**Toxicity / Safety Data / Handling / Storage / Disposal:** *Information on toxicity, safety, handling, storage and disposal is contained in the Safety Data Sheet (SDS) for this product.*

**Shipping Containers:** • 125 L of product in a plastic drum



- 1000 L of product in a IBC (iso bulk container)

**Shipping Limitations:** Shipments of lithium chloride require no dangerous goods shipping labels.

Post, Parcel, Air, Water, Rail, Truck	Acceptable within each carrier's weight limits and packaging requirements.
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