

**LITHIUM CHLORIDE****0711**  
April 1997CAS No: 7447-41-8  
RTECS No: OJ5950000  
UN No:  
EC No:LiCl  
Molecular mass: 42.4

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Not combustible.		In case of fire in the surroundings: all extinguishing agents allowed.
<b>EXPLOSION</b>			

EXPOSURE		PREVENT DISPERSION OF DUST! STRICT HYGIENE!	
<b>Inhalation</b>		Local exhaust.	Fresh air, rest. Refer for medical attention.
<b>Skin</b>		Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
<b>Eyes</b>		Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>Ingestion</b>	Disorientation, incoherence and poor memory.	Do not eat, drink, or smoke during work.	Rinse mouth. Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place (extra personal protection: P2 filter respirator for harmful particles).	Symbol R: S:

EMERGENCY RESPONSE	STORAGE
	Dry. Well closed.

### IMPORTANT DATA

**Physical State; Appearance**

COLOURLESS TO WHITE HYGROSCOPIC AND DELIQUESCENT CRYSTALS OR POWDER.

**Chemical Dangers**

The solution in water is corrosive to metals.

**Occupational Exposure Limits**

TLV not established.

**Routes of Exposure**

The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.

**Inhalation Risk**

Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly by dispersing.

**Effects of Short-term Exposure**
**Effects of Long-term or Repeated Exposure**

The substance may have effects on the central nervous system, cardiovascular system, kidneys and thyroid glands, resulting in impaired functions.

### PHYSICAL PROPERTIES

Boiling point: 1360°C  
Melting point: 613°C  
Relative density (water = 1): 2.1

Solubility in water, g/100 ml: 76.9  
Octanol/water partition coefficient as log Pow: -2.7

### ENVIRONMENTAL DATA

### NOTES

The data on this card concern the anhydrous (water-free) substance. There are also some hydrates of this compound which have different physical properties.

### ADDITIONAL INFORMATION

**LEGAL NOTICE**

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information