

QS-PDS-1007 Revision: 00



Application Uninhibited Dehumidifying system solution

Appearance Clear colorless solution

Product Specifications

LiCl, wt%	40.0 – 42.0
Alkalinity (as LiOH), N	0.082 – 0.093
Impurities on LiCl basis	
NaCl, wt%	0.4 max
CaCl ₂ , wt%	0.05 max

Guaranteed

Other Data

Density at 25°C	1.235-1.265 g/ml 10.3-10.55 lb/gal
Contained LiCl	0.47-0.53 g/ml 3.91-4.43 lb/gal

Range

Physical Properties (40% LIMIT[®] 101 Solution)

Density @ 25°C	1.250 g/ml
Crystallization temperature	-3°C (LiCl·2H ₂ O)
Boiling Point	133°C
Heat capacity @ 18°C	2.69 joules/g°C

Vapor Pressure

Temperature (°C)	Vapor Pressure mm Hg
20	3.3
40	13
60	40
80	98
100	210

Air Treatment Construction Energy Fine Chemicals Glass & Ceramics Greases & Lubricants Polymers Pool Water Treatment

MARKETS SERVED

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Toxicity/Safety Data Water-white liquid. This product is moderately irritating to the skin, eyes, nose and throat. Ingestion may cause drowsiness, weakness, tremors, anorexia, nausea, blurred vision, and muscle spasm.

Additional information on toxicity and safety is contained in the Material Safety Data Sheet (MSDS) available for this product.

Handling/ Storage/ Disposal Avoid contact with eyes, skin or clothing. Avoid breathing mist. Use with adequate ventilation. Wear safety glasses or goggles and rubber gloves. Wash thoroughly after handling. Keep away from strong acids. Keep container closed.

Dispose of waste according to local and Federal laws and regulations.

Shipping Containers 550 pounds (249.5 kg) solution in a 55 gallon (208 L) plastic cube. European shipments are 140 kg solution in a 125 liter polyethylene lined fiber drum.

Shipping Limitations Shipments of LIMIT[®] 101 require no hazardous shipping labels. Shipments by post, parcel, air, water, rail, or truck are acceptable within each carrier's weight limits and packaging requirements.

For shipments within Europe labeling for supply requirements are:

Xn Harmful
R&S phrases see Material Safety Data Sheet

Responsible Care initiative dictates that all shipments of lithium chemicals must be transported in an approved vehicle in a responsible manner (i.e., no flat bed trucks).