

QS-PDS-1009 Revision: 02



Application Corrosion inhibiting Dehumidifying system solution

Appearance Clear colorless solution

Product Specifications

LiCl, wt%
Alkalinity (as LiOH), N

Guaranteed

37.2 – 39.0
0.01 – 0.03

Other Data

Density at 25°C
Contained LiCl

Range

1.235 – 1.265 g/ml
10.3 – 10.55 lb/gal
0.47 – 0.53 g/ml
3.91 – 4.43 lb/gal

Physical Properties (37% LIMIT[®] 301 Solution)

Density @ 25°C
Crystallization temperature
Boiling Point
Heat capacity @ 18°C

1.250 g/ml
-3°C (LiCl·2H₂O)
133°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



LIMIT® 301 Lithium Chloride Solution

CAS No. 7447-41-8

Toxicity/Safety Data Harmful if swallowed. Causes serious eye irritation. Causes skin irritation. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously w/ water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

COMPLETE INFORMATION ON TOXICITY AND SAFETY IS CONTAINED IN THE SAFETY DATA SHEET (SDS) AVAILABLE FOR THIS PRODUCT.

Handling/ Storage/ Disposal Avoid contact with eyes, skin or clothing. 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 565 pounds (256 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 ® 301 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.