Lith™

LITHIUM CHLORIDE 40% SOLUTION

CAS Number: 7447-41-8
Chemical Formula: LiCl

PRODUCT DESCRIPTION

Lithium Chloride 40% Solution is a clear, colourless aqueous solution containing lithium chloride with added inhibitors and stabilisers. It is used in industrial moisture control, air-conditioning and dehumidification systems, as well as selected chemical processing applications requiring a concentrated lithium chloride solution.

KEY FEATURES

- Lithium chloride concentration of 40.0–40.50%
- Clear, colourless liquid formulation
- Contains inhibitors and stabilisers
- Moisture-absorbing properties
- Suitable for industrial absorption and dehumidification systems

APPLICATIONS

- Industrial air drying and dehumidification
- Absorption-based air-conditioning systems
- Desiccant and moisture control applications
- Aluminium brazing flux formulations
- Industrial defrosting solutions

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LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

TECHNICAL SUPPORT
+61 2 9410 3317
info@chemport.com.au

Suite 2.08
32 Delhi Road
Macquarie Park
NSW 2113
Australia

chemport.com.au

PRODUCT SPECIFICATIONS

PARAMETER	TYPICAL VALUE
Lithium Chloride, wt.%	40.0–40.50
Appearance	Clear, Colourless Solution
Stabiliser (Molybdenum-Based), wt.%	<1.0
Iron (Fe), wt.%	<0.02
Calcium (Ca), wt.%	<0.02
Sodium (Na), wt.%	<0.04
Sulfate (SO_4), wt.%	<0.04
pH (5% Solution)	6.0–8.0
Specific Gravity (20°C)	1.24–1.25
Viscosity, seconds	<15

PACKAGING
Available in 200 L drums, 1,000 L intermediate bulk containers (IBCs) and flexitanks.

STORAGE & HANDLING
Store in tightly sealed, corrosion-resistant containers in a cool, dry, well-ventilated area. Protect from contamination and unnecessary exposure to moisture. Ensure containers are securely closed when not in use.

SAFETY
Avoid contact with skin and eyes. Wear appropriate personal protective equipment, including safety glasses, chemical-resistant gloves and protective clothing when handling.

Refer to the current Safety Data Sheet (SDS) for detailed information on hazards, safe handling, storage and disposal.