

Li<sub>2</sub>SO<sub>4</sub>**LITHIUM SULFATE, Anhydrous**

Technical Grade

**PRODUCT**Li<sub>2</sub>SO<sub>4</sub>

Lithium Sulfate, Anhydrous, Technical Grade

CAS#. 10377-48-7

**DESCRIPTION**

Lithium sulfate is a white crystalline powder that is an inorganic salt of sulfuric acid.

**APPLICATIONS**

Used as an aqueous electrolyte in battery and supercapacitor applications and as a catalyst in various polymer reactions. It has been demonstrated that lithium sulfate can be successfully utilized in solid state polymer electrolytes for creation of ultrathin supercapacitors, a set accelerating additive for high alumina cements as well as specialty glasses and photographic developing solutions.

**SPECIFICATION**

Chemical	Guaranteed (wt%)
Li <sub>2</sub> SO <sub>4</sub>	99.0 min
Water (H <sub>2</sub> O)	0.5 max
Iron (Fe)	0.001 max
Sodium (Na)	0.08 max
Potassium (K)	0.02 max
Calcium (Ca)	0.06 max
Magnesium (Mg)	0.005 max
Lead (Pb)	0.001 max

**PACKAGING / SHIPPING CONTAINERS**

Packaging: Standard packs available: 20kg sacks. Other packs available on request.

**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 LIMITATIONS**

Ground Classification	Not regulated by US DOT
Shipping Name	LITHIUM SULFATE
Technical Shipping Name	None
UNFIC	None
ID Number	None
Packaging Group	None
Labels	No US DOT Labels

*Not regulated by IATA or IMO*

**HEALTH AND SAFETY**

All persons handling LITHIUM SULFATE, Anhydrous, Technical Grade should be thoroughly familiar with the Safety Data Sheet.

**Safety Precautions**

Avoid contact with skin or eyes. Avoid circumstances that cause a mist or spray of the liquid or a dust of dried particles. Application methods using rollers or sponges are preferred rather than sprays that generate fine droplets. Installations for applying lithium sulfate, anhydrous should include provisions for sufficient ventilation to control airborne particles and keep exposures below recommended limits.

**First Aid**

In case of skin or eye contact, flush with plenty of water for at least 15 min. Call a physician. If large amounts are inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

ORDERS and  
TECHNICAL SUPPORT

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## LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses. Not intended for human injection. Not intended for food use.

## LIMITED WARRANTY INFORMATION.

### PLEASE READ CAREFULLY.

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For more information or answers to questions about the use in specific applications, contact your Technical Sales Representative or call Toll Free 1.833.LITHUSA (1-833-548-4872).

Visit our website at [www.lithiumsalts.com](http://www.lithiumsalts.com)