

OS-PDS-1059 Revision: 03

Formula	Li ₂ CO ₃
Appearance	An odorless white, free-flowing powder
Application	A free-flowing, odorless white powder with guaranteed 99.5 wt% purity and a relatively fine particle size. Battery grade product is a superior purity grade product for use as a precursor in making critical battery materials.

Product Specifications**Guaranteed**

Li ₂ CO ₃ , wt%	99.5	min
H ₂ O*, wt%	0.5	max
Na, wt%	0.050	max
Ca, wt%	0.040	max
SO ₄ , wt%	0.1	max
Fe, wppm	5	max
Al, wppm	10	max
Cu, wppm	5	max
Ni, wppm	6	max
Zn, wppm	5	max
Cl, wt%	0.01	max
Acid Insolubles, wt%	0.02	max

*Value (as weight percent loss) determined by drying at 500°C for 30 minutes.

Physical Properties	Molecular weight	73.89
	Melting point	720°C
	Water solubility @ 20°C	1.3 wt%

Toxicity/Safety Data	Harmful if swallowed. Causes serious eye 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. Rinse mouth. Wash hands thoroughly after handling.
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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	20 kg bag on 880 kg pallet 25 kg bag – 1000 kg (1 MT) pallet 450 kg supersack 900 kg supersack
Shipping Limitations	Shipments of lithium carbonate are not classed as hazardous for transport. Shipments by post, parcel, air, water, rail, or road are acceptable within each carrier's weight limits and packaging requirements.