LITHIUM CARBONATE, TECHNICAL GRADE

CAS No. 554-13-2

QS-PDS-1051 Revision: 03

Formula Li_2CO_3

Appearance An odorless white, free-flowing powder

Application A free-flowing, odorless white powder with guaranteed 99.3 wt% purity and a relatively fine particle size. Technical Grade product is a higher purity grade for use as a precursor in making critical battery materials, is useful in the manufacture of glass, frits, other ceramics and a variety of specialized applications.

Product Specifications

	Guaranteed	
Li_2CO_3, wt%	99.3	min
H_2O*, wt%	0.6	max
Cl, wt%	0.01	max
SO_4, wt%	0.1	max
Fe_2O_3, wt%	0.003	max
CaO, wt%	0.05	max
Na_2O, wt%	0.2	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	720ºC
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.

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

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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	100 kg in a 38 gal(143.8L) fiber drum 20 kg bag on 880 kg pallet 50 lb bag – 2200 lb 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.