



Lithium Carbonate, Industrial Grade

CAS No. 554-13-2

QS-PDS-1062 Revision: 03

Date of Last Revision: September 15, 2022

Formula: Li_2CO_3

Appearance: An odorless white, free-flowing powder

Application: A free-flowing, odorless white powder with guaranteed 99.0 wt. % purity and a relatively fine particle size. Industrial Grade product is a useful in the manufacture of glass, frits, other ceramics and a variety of specialized applications.

Product Specifications:	Li_2CO_3 , wt. %	99.0	min
	Na_2O , wt. %	0.2	max
	CaO , wt. %	0.05	max
	SO_4 , wt. %	0.1	max
	Fe_2O_3 , wppm	0.003	max
	Cl, wt. %	0.01	max
	Acid Insolubles, wt. %	0.02	max
	H_2O^* , wt. %	0.6	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: Lithium carbonate solubility varies between 8-12 gm/L depending on temperature of the water. Water solubility is 1.3 wt. % @ 20°C

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 Containers:**
- 100 Kg of product in a polyethylene-lined fiber drum. Four (4) fiber drums per pallet. 400 Kg per pallet.
 - 20 Kg of product in a paper bag. Forty-four (44) bags per pallet. 880 Kg per pallet.



- 25 Kg of product in a paper bag. Forty (40) bags per pallet. 1000 Kg per pallet.
- 50 lbs of product in a paper bag. Forty-four (44) bags per pallet. 2200 lbs per pallet.
- 450 Kg of product in a supersack, stacked two (2) high. 900 Kg per pallet.
- 900 Kg of product in a supersack, single stacked. 900 Kg per pallet.

Shipping Limitations: Shipments of lithium carbonate require no dangerous goods shipping labels.

Post, Parcel, Air, Water, Rail, Truck	Acceptable within each carrier's weight limits and packaging requirements.
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