

LITHIUM CARBONATE, INDUSTRIAL GRADE

CAS No. 554-13-2

QS-PDS-1062 Revision: 00

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 useful in the manufacture of glass, frits, other ceramics and a variety of specialized applications.

Product Specifications

Guaranteed

Li_2CO_3 , wt%	99.0	min
H_2O^* , wt%	0.6	max
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

*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 White granular solid or powder, odorless. Eye irritant; no significant hazard in industrial/commercial applications.

Additional information on toxicity and safety is contained in the Material Safety Data Sheet (MSDS).

Air Treatment Construction Energy Fine Chemicals Glass & Ceramics Greases & Lubricants Polymers Pool Water Treatment

MARKETS SERVED

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AND HEADQUARTERS**
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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

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.

For shipments within Europe labeling for supply requirements are:

Xn	Harmful
Xi	Irritant
R&S phrases	see Material Safety Data Sheet

*Micronized battery grade lithium carbonate is not manufactured nor intended for drug use.

Responsible Care initiative dictates that all shipments of lithium chemicals must be transported in DOT-approved vehicle in a responsible manner (ie., no flat bed trucks).