

LITHIUM CARBONATE, BATTERY GRADE

 CAS No. 554-13-2
 EINECS-No. 209-062-5

 Formula Li₂CO₃

 Application An odorless white powder that freely flows, with a relatively fine particle size. Guarantees 99.5 wt% purity. The technical grade product, which assures higher purity grade, can be used as a precursor in manufacture of important battery materials. It is applicable to manufacture of a wide array of specialized applications including frits, glass, and other ceramic products.

 Appearance An odorless white, free-flowing powder

Product Specifications

Li ₂ CO ₃	%	99.5	min
Na	ppm	500	max
Fe	ppm	5	max
Ca	ppm	200	max
SO ₄	ppm	500	max
K	ppm	50	max
Cl	ppm	100	max
Mg	ppm	100	max
Cr	ppm	10	max
Ni	ppm	10	max
Cu	ppm	10	max
Pb	ppm	10	max
Al	ppm	10	max
Zn	ppm	10	max
B	ppm	30	max
Mn	ppm	10	max
H ₂ O	%	0.3	max
Insol. In HCl	ppm	200	max
LOI (550°C)	%	0.5	max
Particle Size	D50= 4-6 micron		

 Molecular weight 73.89

 Water solubility @ 20°C 1.3 wt%

 Physical Description White granular solid or powder, odorless.

Toxicity/Safety Factor	<p>May be irritating to the eyes. Not significantly hazardous for industrial or commercial applications.</p> <p>Refer to the Material Safety Data Sheet (MSDS) for further information on toxicity and safety.</p>
Transport Regulations	No regulations set forth in the RID, ADR, IMDG, and IATA-DGR.
Handling	<p>Avoid contact with the eyes, skin and clothing. Ventilate the room well upon use. Wear protective glasses and rubber gloves. Wash hands thoroughly after use. Keep product away from strong acid.</p>
Disposal	Dispose waste in accordance with both the local and federal laws and regulations.
Storage	Keep container closed.
Packing	<p>25kg bags on pallets of 1,000 kg</p> <p>500 kg big bags</p> <p>1,000kg big bags</p>
Shipping Regulations	Lithium carbonate is not categorized under the hazardous class for shipping and transport. Shipments can be made either by air, sea, land, or rail in parcels as long as they meet the packaging terms and conditions of the carrier.
Labelling	<p>Xn Harmful</p> <p>Xi Irritant</p> <p>R&S phrases see Material Safety Data Sheet</p>

* The technical grade lithium carbonate is not designed for and shall not be used for any drug use.