

LITHIUM CARBONATE, MICRONIZED BATTERY GRADE

CAS No. 554-13-2

QS-PDS-1060 Revision: 00

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 5 µm D50 particle size. Micronized 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	20	max
Cl, wt%	0.01	max
Acid Insolubles, wt%	0.02	max
Malvern D100, µm	40	max
Malvern D 90, µm	13	max
Malvern D 50, µm	4 - 6	

*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	NORTH AMERICA AND HEADQUARTERS FMC Lithium Seven LakePointe Plaza 2801 Yorkmont Road, Suite 300 Charlotte, NC 28208 P: +1.704.426.5300 F: +1.704.426.5370	EUROPE FMC Chemicals Commercial Road Bromborough Merseyside CH62 3NL, England P: +44.151.482.7356 F: +44.151.482.7361	JAPAN FMC Lithium 9F, Aoyama Building 1-2-3, Kita-Aoyama Minato-ku, Tokyo 107-0061, Japan T: +81.3.3402.3716 F: +81.3.3402.3700	CHINA FMC Lithium 15F Far East International Plaza No. 317 Xianxia Road Shanghai 200051 P. R. China T: +86.21.6235.1919 T: +86.21.6235.1917	INDIA FMC India Private Limited Embassy Star 8, Palace Road High Grounds Bangalore 560052, India T: +91.80.2238.4311 F: +91.80.2238.5255	TAIWAN FMC Lithium 9F-1, 263 Tun Hwa S. Rd. Sec. 1 Taipei, Taiwan T: +866.2.2705.4400 F: +866.2.2702.7460
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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).