



Turn On Entertainment.

Turn On Knowledge.

Turn On Conversation.

Turn On Destination.

Turn On Mobility.

# Turn On **Life** with FMC Lithium.

Today, more than ever, people are turning on. Just press that power button and you're connected to the world – on mobile phones, laptops, and MP3 players, GPS systems, cars and more. These devices demand high performance batteries that deliver more power and charges, longer. The highest performance batteries use lithium and no lithium outperforms lithium from FMC.

FMC Lithium makes the highest grades of lithium carbonate available to the energy market – 99.5 percent.

Higher purity means more robust performance. Our lithium grades contain the lowest levels of unsuitable metals of any lithium sold to the energy market – 10 ppm or less each, guaranteed. Trace amounts of aluminum, copper, iron, zinc, or nickel won't interfere with the performance of your product and that makes your customers happy.

So isn't it time to turn on to FMC Lithium?



**FMC Lithium**

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# Turn on FMC Lithium Product Precision and Purity.

Despite your best efforts, irregularities in raw materials can sneak into your production line. Slightly elevated metal content, minor impurities, modest irregularities in particle size – on the surface, it's nothing alarming – until it affects your process, and your product. That's when the quest for the cause can overwhelm your company, and your life. Down time, lost time, short runs, . . . damaged reputation.

With FMC Lithium products you get minimal metal impurities, to exact ppm specs, uniform particle size, and you always get consistently pure lithium products.

Purity, consistency, peace of mind. Shipment after shipment. That's **Life** with FMC Lithium.

**Lithium Carbonate, Battery Grade**

Metal	≤ Content / ppm
Al / Aluminum	10
Cu / Copper	5
Fe / Iron	5

**Lithium Hydroxide Monohydrate, Battery Grade**

Metal	≤ Content / ppm
Al / Aluminum	10
Cu / Copper	5
Fe / Iron	5

**Lithium Hydroxide Monohydrate, Electrolyte Grade**

Metal	≤ Content / ppm
Al / Aluminum	5
Cu / Copper	4
Fe / Iron	4

## LITHIUM CARBONATE, a precursor for critical battery materials.

### Lithium Carbonate, Battery Grade

- ▶ A superior purity grade with 99.5% purity and a fine particle size.
- ▶ 10 ppm or less (guaranteed) for each of the following metals: aluminum, copper, and iron.

### Lithium Carbonate, Micronized Battery Grade

- ▶ A superior purity grade with 99.5% purity and 5 µm D50 particle size.
- ▶ 10 ppm or less (guaranteed) for each of the following metals: aluminum, copper, and iron.

## LITHIUM HYDROXIDE, a critical component in making high performance battery materials.

### Lithium Hydroxide, Battery Grade

- ▶ Reduced impurity grade guarantees 10 ppm or less for each of the following metals: aluminum, copper, and iron.

### Lithium Hydroxide Monohydrate, Electrolyte Grade

- ▶ Ultra high purity grade guarantees 5 ppm or less for each of the following metals: aluminum, copper, and iron.



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