

MATERIAL SAFETY DATA SHEET**1. Chemical Product and Company Identification**

Product Name: Li-Mn Button Cell CR2032

Manufacturer: DONGGUAN TIANQIU ENTERPRISE CO., LTD

Address: TianQiu Industrial Park, Xinji Industrial Zone, Machong Town, Dongguan, GuangDong, P.R.China

Telephone: 0769-81210202

2. Composition/Information on Ingredients

Hazardous Components	Approx wt%	CAS #	EC #
Iron(Fe)	48.0	7439-89-6	231-096-4
Manganese Dioxide (MnO ₂)	34.8	1313-13-9	215-202-6
Perchloric Acid, Lithium Salt (LiClO ₄)	3.99	7791-03-9	232-237-2
Polypropylene ((C ₃ H ₆) _x)	3.43	9003-07-0	----
Propylene Carbonate(C ₄ H ₆ O ₃)	3.0	108-32-7	203-572-1
Lithium(Li)	1.9	7439-93-2	231-102-5
Graphite(C)	1.7	7782-42-5	231-955-3
Polytetrafluoroethylene	1.7	9002-84-0	----
Ethylene Glycol Dimethyl Ether (C ₄ H ₁₀ O ₂)	1.48	110-71-4	203-794-9
Mercury (Hg)	<0.0001	7439-97-6	231-106-7
Cadmium (Cd)	<0.001	7440-43-9	231-152-8
Lead (Pb)	<0.001	7439-92-1	231-100-4

3. Hazards Identification

Routes of Entry: Not applicable under normal conditions

Health Hazards: In case of leakage, will be cause itchy and/or chemical burns when direct contact with electrolyte

Hazards to Environment: Not applicable

Fire and Explosion Hazards: Not applicable

4. First-aid Measures

Skin Contact: If exposed to a leaking cell, remove contaminated clothing. Wash exposed areas with plenty of water and soap. If irritation occurs, consult a physician.

Eyes Contact: If a cell is leakage and materials contact eyes, flush immediately with running water for at least 15 minutes. Consult an ophthalmologist at once.

Inhalation: If vapor from vented or leaked cells are inhalation, move to fresh air and get