



Safety Data Sheet

MedCell Lithium Battery CR2032

Section 1. Identification

Product Identifier MedCell Lithium Battery CR2032
Synonyms MPHBCR2032; MSD_SDS0520
Manufacturer Stock MPHBCR2032
Numbers

Recommended use N/A
Uses advised against N/A

Manufacturer Contact Medline
Address 3 Lakes Drive
Northfield, IL, 60093
USA

Phone
(800) 633-5463

Emergency Phone
(800) 424-9300
CHEMTREC

Fax
(847) 643-4436

Website
www.Medline.com

Section 2. Hazards Identification

Classification No OSHA Hazard Classifications Applicable - Category N.A.

Signal Word

Pictogram

Hazard Statements No OSHA Hazard Classifications Applicable

Precautionary Statements

Response N/A

Prevention N/A

Storage N/A

Disposal N/A

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

This product contains lithium, organic solvent, and other combustible materials. For this reason, improper handling of the battery could lead to distortion, leakage*, overheating, explosion, or fire and cause human injury or equipment trouble. Please strictly observe safety instructions.
(*leakage is defined as an unintended escape of liquid from a battery)

Section 3. Ingredients

CAS	Ingredient Name	Weight %
108-32-7	Propylene Carbonate	2% - 6%
1313-13-9	Manganese Dioxide	15% - 40%
7439-93-2	Lithium or Lithium Alloy	1% - 5%
110-71-4	1,2-Dimethoxyethane	1% - 5%
7782-42-5	Graphite	1% - 4%
7791-03-9	Lithium Perchlorate	0% - 1.5%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Inhalation: None unless internal materials are exposed. Fumes can cause respiratory irritation. Remove to fresh air and consult a physician.

Skin contact: Immediately flush skin with plenty of water. If itch or irritation by chemical burn persists, consult a physician.

Eye contact: Immediately flush eye with plenty of water for at least 15 minutes. Consult a physician immediately

Ingestion: If swallowing a battery, consult a physician immediately. If contents come into mouth, immediately rinse with plenty of water and consult a physician.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media Fire extinguisher; Carbon dioxide; fire foam; dry sand; water spray and powder etc.

Unsuitable Extinguishing Media N/A

Additional Information N.A.
N.A.

Section 6. Accidental Release Measures

No Data Available

Section 7. Handling and Storage

Handling: Never swallow. Never charge. Never heat. Never expose to open flame. Never disassemble. Never reverse the positive and negative terminals when mounting. Never short-circuit the battery. Never weld the terminal or wire to the body of the battery directly. Never use different batteries together. Never touch the liquid leaked out of battery. Never bring fire close to battery liquid. Keep away from children.

Storage: Never let the battery come into contact with water. Never store the battery in hot/high humidity places.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Propylene Carbonate	N/A	N/A	N/A
	Manganese Dioxide	N/A	N/A	N/A
	Lithium or Lithium Alloy	N/A	N/A	N/A
	1,2-Dimethoxyethane	N/A	N/A	N/A
	Graphite	N/A	N/A	N/A
	Lithium Perchlorate	N/A	N/A	N/A

Personal Protective Equipment

N/A

Ventilation:

N.A.

Eye Protection:

N.A.

Skin Protection:

N.A.

Other protective clothing or equipment:

N.A.

Section 9. Physical and Chemical Properties

Physical State	Solid
Color	N.A.
Odor	N.A.
Odor Threshold	N.A.
Solubility	N.A.
Partition coefficient Water/n-octanol	N.A.
VOC%	N/A
Viscosity	N.A.
Specific Gravity	N/A

Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N.A.
FP Method	N.A.
pH	N.A.
Melting Point	N.A.
Boiling Point	N.A.
Boiling Range	N.A.
LEL	N/A
UEL	N/A
Evaporation Rate	N.A.
Flammability	N.A.
Decomposition Temperature	N.A.
Auto-ignition Temperature	N.A.
Vapor Pressure	N.A.
Vapor Density	N.A.

Nominal Voltage: 3.0V

Section 10. Stability and Reactivity

Stability: Stable.
 Incompatibility: Water.
 Hazardous Polymerization: Will not occur.
 Conditions to avoid: See section 7.
 Hazardous Decomposition or Byproducts: Hydrogen.

Section 11. Toxicological Information

No Data Available

Section 12. Ecological Information

No Data Available

Section 13. Disposal

Disposal: The battery may be regulated by national or local regulation. Please follow the instructions of proper regulation. As electric capacity is left in a discarded battery and it meets other metals, it could lead to distortion, leakage, overheating, or explosion, so make sure to cover the (+) and (-) terminals with friction tape or some other insulator before disposal.

Section 14. Transport Information

UN Number	3090
UN Proper Shipping Name	Lithium metal batteries including lithium alloy batteries
DOT Classification	9
Packing Group	N/A
Additional Information:	<ol style="list-style-type: none">1. Battery must be of a design type proven to meet testing requirements as per Manual of test and criteria, Part III, subsection 38.3.2. Battery, according to Section IB of PACKING INSTRUCTION 968 of the 2022 IATA Dangerous Goods Regulations 63rd Edition, may be transported/applicable to U.S D.O.T regulations for the safe transport of Lithium Battery.3. Battery to be protected to prevent short circuit. This includes protection against contact with conductive materials within the same packaging that could lead to short circuit.4. Cells and batteries, offered for transport, must be packed in inner packaging that completely enclose the cell or battery; To provide protection form damage or compression of the batteries, the inner packaging must be placed in a strong rigid outer packaging.5. The packaging shall be adequate to avoid mechanical damage during transport, handling, and stacking & Stock on shelves. The material and pack design shall be chosen to prevent the development of unintentional electrical conduction, corrosion of the terminals and ingress of moisture.6. The package must be handled with care as a flammability hazard exists if the package is damaged.

Section 15. Regulatory Information

SARA 311/312:	Refer to Section 2 of the SDS.
SARA 302:	N.A.
SARA 304:	N.A.
SARA 313:	N.A.
TSCA:	All components are listed or exempt.
CERCLA Hazardous Substance List:	N.A.
Clean Air Act (CAA) Section 112, 112 (r):	N.A.
New Jersey Right to Know Components:	1,2-DIMETHOXYETHANE. LITHIUM. GRAPHITE (NATURAL).
Pennsylvania Right to Know Components:	ETHANE, 1,2-DIMETHOXY-. LITHIUM. GRAPHITE.
Rhode Island Right to Know Components:	Lithium. Graphite (natural).
Massachusetts Right to Know Components:	ETHANE, 1,2-DIMETHOXY-. LITHIUM.

Section 16. Other Information

Revision Date

12/8/2022

Legend

N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

Additional Information:

The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.