



Battery Data Sheet

Lithium manganese dioxide coin battery

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The products referenced herein are 'articles' under 29CFR 1910.1200(c) and are not subject to OSHA's requirements for material safety data sheets under its Hazard Communication Standard, 29 CFR 1900.1200. This Product Data Sheet is provided as a service to our customers.

1. Product and Company Identification

Identity: Lithium manganese dioxide coin battery
Models: All
Effective: June 3, 2020

Manufacturer:
BISSELL Homecare, Inc.
PO Box 1888
Grand Rapids, MI 49501
Phone: 1-616-453-4451

3. Composition information

Lithium manganese dioxide coin batteries are generally composed of the following major ingredients

Chemical Name	CAS No.	Mass in cell (g/g %)
Stainless Steel	12597-68-1	48.8
Polypropylene	9003-07-0	3.9
Glass, non fibrous	65997-17-3	0.5
Manganese dioxide	1313-13-9	36.6
Lithium	7439-93-2	1.9
Propylene Carbonate	108-32-7	3.1
1,2 dimethoxyethane	110-71-4	3.4
Lithium Perchlorate	7791-03-9	1.8

Lithium content < 0.1 gram per cell

2. Hazards Identification

Potentially hazardous materials are fully contained in hermetically sealed case designed to with stand normal handling and use. Exposure could only occur if the battery or cells have been opened, disassemble, crushed, burned, exposed to high temperatures (> 60C or 140F), or subject to toher types of abuse. Exposure to the cell contents may be harmful under some circumstances.

Follow instructions and precautions for safe use of the battery pack.

4. First Aid Measures

Cell manufacturers recommend that in case of exposure to the cell contents, wash affected area for at least 15 minutes with generous amounts of water and seek medical attention.

5. Fire Fighting Measures

Fires involving these types of battery backs should be flooded with water or use CO₂, foam or dry chemical extinguishing media. Fires involving large quantities of batteries may produce toxic, corrosive, or irritating fumes including lithium hydroxide

6. Accidental Release Measures



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If batteries are spilled and damaged, they should be disposed according to the disposal section.

7. Handling and Storage

The battery pack and enclosed cells should not be opened, disassembled, crushed, burned, or exposed to high temperatures (> 60C or 140F).

8. Exposure controls/personal protection

No personal protection is required during normal handling and use. Exposure to the ingredients contained within the cells within the battery pack could be harmful under some circumstances. In case of exposure to the cell contents, wash affected area for at least 15 minutes with generous amounts of water and seek medical attention.

9. Physical and Chemical Properties

These batteries are solid articles. Properties such as odor, pH, vapor pressure, solubility, etc. are not applicable.

10. Stability and Reactivity

Reactivity	None during normal handling and use
Incompatibility	None during normal handling and use
Hazardous decomposition products	None during normal handling and use
Conditions to avoid	The battery pack and enclosed cells should not be opened, disassembled, crushed, burned, or exposed to high temperatures

11. Toxicological Information

There are no known toxicological properties of the batteries during normal handling and use.

12. Ecological Information

There are no known ecological risks of the batteries during normal handling and use.

13. Disposal

Lithium manganese dioxide coin battery should be disposed of or recycled in accordance with any applicable national, state/provincial, and local requirements. BISSELL is a Licensee of the Call2Recycle Battery Recycling Program, please call 1-800-8-BATTERY or go to the Call2Recycle website at www.call2recycle.org for how to recycle our product. Do not of in fire.



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14. Transport

UN3090, Lithium metal batteries

UN3091, Lithium metal batteries contained in equipment

UN3091, Lithium metal batteries packed with equipment

Coin batteries are exempt from the classification as dangerous goods as they meet the requirements of the special provisions listed below; they are properly packaged and labeled, contain less than 1 gram of lithium and pass the tests defined in UN model regulation section 38.3.

Regulatory Body

ADR

IMDG

UN

US DOT

IATA, ICAO

Special Provisions

188, 230, 310, 636, 656

188, 230, 310, 957

UN 3090, UN 3091

29, A54, A100, A101

Packaging Instructions 968 - 970

For transportation emergencies involving BISSELL Homecare, Inc. battery products, call CHEMTREC at 1-800-424-9300.

15. Regulatory Information

The products referenced herein are 'articles' under 29CFR 1910.1200(c) and are not subject to OSHA's requirements for material safety data sheets under its Hazard Communication Standard, 29 CFR 1900.1200.

Outside of the transportation requirements noted in Section 14, lithium manganese dioxide batteries marketed by BISSELL Homecare, Inc. are not regulated.

SARA/TITLE III - As an article, this battery and its contents are not subject to the requirements of the Emergency Planning and Community Right-To-Know Act.

16. Other Information

Notice: The information and recommendations set forth are made in good faith and are believed to be accurate at the date of preparation. BISSELL Homecare, Inc. makes no warranty or implied with respect to this information and recommendations and disclaims all liability from reliance on it.

"Equivalent lithium content" information is available from the manufacturer.