

Sicherheitsdatenblatt

1. Identifizierung chemischer Produkte und Unternehmen

Produkt:	Lithium-Manganes Dioxide Battery
Typ/Modell:	Lithium Button Cells: CR2430, CR2450
Marke:	Sonderpreis Baumarkt
Hersteller/Importer:	EURES GmbH
Adresse:	Lise-Meitner-Str. 11, 70794 Filderstadt
Notrufnummer:	Notrufnummer Notfallinformationsdienste / öffentliche Beratungsstelle: --- Notrufnummer der Gesellschaft: Tel.: +49 (0)711-758599-0 E-Mail: info@eures-gmbh.de

► 2. Hazards identification

Emergency overview: N/A
Classification according to GHS Not a dangerous substance according to GHS
Label elements:
Hazard pictogram(s): Not Applicable
Signal word: Not Applicable
Hazard statement(s): Not Applicable
Precautionary statement(s):
Prevention: Not Applicable
Response: Not Applicable
Disposal: Not Applicable
Environmental hazards: No relevant information
Important symptoms: See section 11 for more information

► 3. Informationen zur Zusammensetzung

Chemische Zusammensetzung	Chemische Formel	CAS No.	Gewicht (%)
Manganese Dioxide	MnO2	1313-13-9	30.99%
Polypropylene	PE	9003-07-0	3.42%
Graphite	C	7782-42-5	2.17%
Lithium	Li	7439-93-2	1.91%
Propylene Carbonate	C4H6O3	108-32-7	3.00%
"Diaphragm Polypropylene"		9003-07-0	0.34%
Lithium Perchlorate	LiClO4	09.03.7791	5.50%
Stainless Steel		12597-68-1	50.50%
Teflon		9002-84-0	2.17%

► 4. First aid measure

Eye contact: Flush eyes with plenty of water for least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin contact: Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.
Inhalation: Remove from exposure and move to fresh air immediately. Use oxygen if available.
Ingestion: Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician.

► 5. Fire-fighting measures

Flash Point: N/A
Auto-Ignition Temperature: N/A
Extinguishing Media: H2O, CO2
Special Fire-Fighting Procedures: Self-contained breathing apparatus
Unusual Fire and Explosion Hazards: Cell may vent when subjected to excessive heat-exposing battery contents
Hazardous Combustion Products: Carbon monoxide, carbon dioxide, lithium oxide fumes.

► 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:
If the battery is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. The preferred response is to leave the area and allow the vapors to dissipate. Avoid skin and eyes contact or inhalation of vapors. Remove spilled liquid with absorbent and incinerated. If leakage of the battery happens, liquid could be absorbed with sand, earth or other inert substance and contaminated area should be

Sicherheitsdatenblatt

ventilated meantime.

Environment precautions:

Do not allow product to reach sewage system or any water source.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

If battery casing is dismantled, small amounts of electrolyte may leak. Collect all released material in a plastic lined container. Dispose off according to the local law and rules. Avoid leached substances to get into the earth,

► 7. Handling and storage

Handling: "The battery should not be opened, destroyed or incinerate, since they may leak or rupture and release to the environment the ingredients that they contain in the hermetically sealed container. Do not short circuit terminals, or over charge the battery, forced over-discharge, throw to fire. Do not crush or puncture the battery, or immerse in liquids."

Storage: "Avoid mechanical or electrical abuse. Storage preferably in cool, dry and ventilated area, which is subject to little temperature change. Storage at high temperatures should be avoided. Do not place the battery near heating equipment, nor expose to direct sunlight for long periods."

Other Precautions: "The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity."

► 8. Exposure controls/personal protection

Engineering Controls: "Use local exhaust ventilation or other engineering controls to control sources of dust, mist, fumes and vapor. Keep away from heat and open flame. Store in a cool, dry place."

Personal Protective Equipment: Respiratory Protection: Not necessary under normal conditions. Skin and body Protection: Not necessary under normal conditions, Wear suitable protective clothing and gloves if handling an open or leaking battery. Hand protection: Wear suitable gloves if handling an open or leaking battery. Eye Protection: Not necessary under normal conditions, Wear safety glasses if handling an open or leaking battery."

Other Protective Equipment "Have a safety shower and eye wash fountain readily available in the immediate work area. Hygiene Measures Do not eat, drink, or smoke in work area. Maintain good housekeeping. Section 9- Physical and Chemical Properties"

► 9. Physical and chemical properties

Form: Solid

Color: Silver

Odour: Not Applicable

pH: Not Applicable

Melting point/freezing point: Not Applicable

Boiling Point and Boiling range: Not Applicable

Flash Point: Not Applicable

Upper/lower flammability or explosive limits: Not Applicable

Vapor Pressure: Not Applicable

Vapor Density: Not Applicable

Relative density: Not Applicable

Solubility in Water: Not Applicable

Auto-ignition temperature: Not Applicable

Decomposition temperature: Not Applicable

Evaporation rate: Not Applicable

Flammability (soil, gas): Not Applicable

Viscosity: Not Applicable

► 10. Stability and reactivity

Stability: The product is stable under conditions described Section 7

Conditions to Avoid: Heat above 70°C or incinerate. Deform, Mutilate, Crush, Disassemble, Overcharge, Short circuit, Expose over a long period to humid conditions.

Incompatible Materials: Oxidizing agents, acid, base.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, lithium oxide fumes.

Possibility of Hazardous Reaction: Not Applicable

► 11. Toxicological information

Irritation: Risk of irritation occurs only if the cell is mechanically, thermally or electrically abused to the point of compromising the enclosure. If this occurs, irritation to the skin, eyes and respiratory tract may occur.

Sensitization: Not Applicable

Neurological Effects: Not Applicable

Teratogenicity: Not Applicable

Reproductive Toxicity: Not Applicable

Mutagenicity (Genetic Effects): Not Applicable

Toxicologically Synergistic Materials: Not Applicable

► 12. Ecological information

Ecological Toxicity: Not Applicable

Mobility in soil: Not Applicable

Persistence and Degradability: Not Applicable

Erstelldatum: 14.05.2024

Version 1.02

Seite/Page 2 von 3

Änderungsdatum: 14.05.2024

Sicherheitsdatenblatt

Bioaccumulation potential: Not Applicable

Other Adverse Effects: Not Applicable

► 13. Disposal consideration

Product disposal recommendation: Observe local, state and federal laws and regulations.

Uncleaned packaging recommendation: Disposal must be made according to official regulations

► 14. Transport information

Label for conveyance: Lithium Battery Label

UN Number: UN 3090 or UN 3091

Transport hazard class(es): 9

Packing group: --

Marine pollutant: No

UN Proper shipping name: Lithium Metal Batteries (including lithium alloy batteries) or;

Lithium Metal Batteries Contained In Equipment (including lithium alloy batteries) or;

Lithium Metal Batteries Packed With Equipment (including lithium alloy batteries).

ICAO/IATA: Can be shipped by air in accordance with international Civil Aviation Organization (ICAO), TI or International Air Transport Association (IATA) DGR 63rd

Packing Instructions Section IB of 968 or Section II of 969~970 appropriately.

IMDG CODE: International Maritime Dangerous Goods Code under Special Provision 188 IMDG CODE (Amdt 40-20)

► 15. Regulation information

Law information

(Dangerous Goods Regulations)

(Recommendation on the Transport of Dangerous Goods Model Regulations)

(International Maritime Dangerous Goods)

(Technical Instructions for the Safe Transport of Dangerous Goods)

(Classification and code of dangerous Goods)

(Consumer Product Safety Act)(CPSA)

(Federal Environmental Pollution Control Act)(FEPCA)

(Resource Conservation and Recovery Act)(RCRA)

(European Agreement concerning the International Carriage of Dangerous)

(Regulations concerning the International Carriage of Dangerous)

In according with all Federal, State and local laws.

► 16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, concorde makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. This material safety data sheet provides guidelines for the safe handling and use of this product; it does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required.