

EVEREADY BATTERY CO INC -- E-CR2032 ENERGIZER, LITHIUM-MANGANESE DIOXIDE BATTERY --
6135-01-210-8715

===== Product Identification =====

Product ID:E-CR2032 ENERGIZER, LITHIUM-MANGANESE DIOXIDE BATTERY
MSDS Date:07/27/1995
FSC:6135
NIIN:01-210-8715
MSDS Number: BXYFS
=== Responsible Party ===
Company Name:EVEREADY BATTERY CO INC
Address:25225 DETROIT RD
City:WESTLAKE
State:OH
ZIP:44145-2536
Country:US
Info Phone Num:216-835-7368
Emergency Phone Num:216-835-7368

CAGE:66571
=== Contractor Identification ===
Company Name:EVEREADY BATTERY CO INC
Address:25225 DETROIT ROAD
Box:City:WESTLAKE
State:OH
ZIP:44145
Country:US
Phone:440-835-7368
CAGE:66571

===== Composition/Information on Ingredients =====

Ingred Name:CARBON BLACK
CAS:1333-86-4
RTECS #:FF5800000
Fraction by Wt: 0-3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9495

Ingred Name:1,2-DIMETHOXYETHANE (DIMETHOXYETHANE)
CAS:110-71-4
RTECS #:KI1451000
Fr

action by Wt: 0-6%
Other REC Limits:NONE RECOMMENDED

Ingred Name:1,3-DIOXOLANE
CAS:646-06-0
RTECS #:JH6760000
Fraction by Wt: 0-8%
Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM METAL
CAS:7439-93-2
RTECS #:OJ5540000
Fraction by Wt: 1-6%
Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM PERCHLORATE
CAS:7791-03-9
Fraction by Wt: 0-3%
Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM TRIFLUOROMETHANE SULFONATE
CAS:33454-82-9
Fraction by Wt: 0-3%
Other REC Limits:NONE RECOMMENDED

Ingred Name:MANGANESE DIOXIDE
CAS:1313-13-9
RTECS #:OP0350000
Fraction by Wt: 12-42%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG MN/M3 CEILING
ACGIH TLV:5 MG MN/M3

Ingred Name:PROPYLENE CARBONATE
CAS:108-32-7
RTECS #:FF9650000
Fraction by Wt: 0-8%
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:AC

UTE: UNDER NORMAL CONDITIONS THE BATTERY IS HERMETICALLY SEALED. INGESTION OF BATTERY MAY BE HARMFUL. SKIN OR EYE CONTACT WITH BATTERY CONTENTS MAY CAUSE IRRITATION OR BURNS. SKIN ABSORPTION MAY CAUSE INFLAMMATION. INHALATION OF CONTENTS MAY CAUSE RESPIRATORY IRRITATION. CHRONIC: NONE SPECIFIED BY MANUFACTURER.

Explanation of Carcinogenicity: NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure: INGESTION

TECHNICAL BURNS TO MOUTH, ESOPHAGUS, GI TRACT. EYES-IRRITATION, BURNS. SKIN-IRRITATION, BURNS. INHALED-RESPIRATORY IRRITATION.

Medical Condition Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid: EYES-IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, LIFT LIDS. SEEK MEDICAL ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. SEEK MEDICAL ATTENTION IF BURNED. INHALED-REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION. INGESTED-DO NOT INDUCE VOMITING OR GIVE FOOD OR DRINK! SEEK IMMEDIATE MEDICAL ATTENTION. CALL NATIONAL BATTERY INGESTION HOTLINE-202-625-3333.

===== Fire Fighting Measures =====

Extinguishing Media: LITH-X, COPPER POWDER FIRE EXTINGUISHERS, SAND, DRY GROUND DOLOMITE, SODA ASH.

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual

Fire/Explosion Hazard: WATER MAY CAUSE EVOLUTION OF FLAMMABLE HYDROGEN GAS. BURNING LITHIUM-MANGANESE DIOXIDE BATTERIES PRODUCE TOXIC AND CORROSIVE LITHIUM HYDROXIDE FUMES.

===== Accidental Release Measures =====

Spill Release Procedures: NONE SPECIFIED BY MANUFACTURER. DLA-HMIS: SWEEP OR SCOOP UP AND PLACE IN A CONTAINER FOR DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:DO NOT RECHARGE. DO NOT SHORT CIRCUIT.
DO NOT MIX WITH USED OR WITH DIFFERENT TYPES OF BATTERIES.
Other Precautions:IF POTTING OR SEALING BATTERY IN AIRTIGHT OR
WATERTIGHT CONTAINER IS REQUIRED, CONSULT EVEREADY BATTERY COMPANY
FOR PRECAUTIONARY SUGGESTIONS. DO NOT OBSTRUCT SAFETY RELEASE VENTS
ON BATTERIES.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE NORMALLY REQUIRED.
Ventilation:NONE NORMALLY REQUIRED.
Protective Gloves:NONE NORMALLY REQUIRED.
Eye Protection:NONE NORMALLY REQUIRED.
Other Protective Equipment:WEAR SAFETY GLASSES W/SIDE SHIELDS, NEOPRENE
OR RUBBER GLOVES IF HANDLING AN OPEN OR LEAKING BATTERY.
Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.
Supplemental Safety and Health
PER MFR, THIS BATTERY IS AN ARTICLE AND AS SUCH, IS NOT SUBJECT TO THE
OSHA HAZARD COMMUNICATION STANDARD REQUIREMENT FOR PREPARATION OF A
MATERIAL SAFETY DATA SHEET (MSDS).

===== Physical/Chemical Properties =====

HCC:N1
Appearance and Odor:LITHIUM-MANGANESE DIOXIDE BATTERY; 3 VOLTS;
CYLINDRICAL; 0.787 X 0.126 INCHES.

===== Stability and Reactivity Data =====

NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:DLA-HMIS: HYDROGEN GAS IF INVOLVED IN
FI
RE.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL ENVIRONMENTAL REGULATIONS.

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