

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

Countr

y: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-DI

METHOXYETHANE (DIMETHOXYETHANE)

CAS:110-71-4

RTECS #:KI1451000

Fraction 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:3

3454-82-9

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 Carcinogenic

ity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: 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 CONTENTSMAY 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:INGESTED-CHEMICAL BURNS TO MOUTH, ESOPHAGUS, GI TRACT. EYES-IRRITATION, BURNS. SKIN-IRRITATION, BURNS. INHALED-RESPIRATORY IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== 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.

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===== 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.

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===== 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.

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Handling and Storage  
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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.

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Exposure Controls/Personal Protection  
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Resp

iratory 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. LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

PER MFR, THIS BATTERY IS AN ARTICLE AN

D AS SUCH, IS NOT SUBJECT TO THE

OSHA HAZARD COMMUNICATION STANDARD REQUIREMENT FOR PREPARATION OF A  
MATERIAL SAFETY DATA SHEET (MSDS).

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Physical/Chemical Properties  
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HCC:N1

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

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Stability and Reactivity Data  
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NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous De

composition Products:DLA-HMIS: HYDROGEN GAS IF INVOLVED IN  
FIRE.

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

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