

EVEREADY BATTERY CO INC -- E-4 MERCURY OXIDE-ZINC -- 6135-00-816-9052

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

Product ID:E-4 MERCURY OXIDE-ZINC

MSDS Date:03/19/1991

FSC:6135

NIIN:00-816-9052

MSDS Number: BQDMC

=== Responsible Party ===

Company Name:EVEREADY BATTERY CO INC

Address:CHECKERBOARD SQ

City:ST LOUIS

State:MO

ZIP:63164

Country:US

Info Phone Num:216-837-7368

Emergency Phone Num:216-835-7368/314-982-2000

Preparer's Name:H.R. ERSKINE

CAGE:83740

=== Contractor

Identification ===

Company Name:EVEREADY BATTERY CO INC

Address:CHECKERBOARD SQ

Box:City:ST LOUIS

State:MO

ZIP:63164

Country:US

Phone:216-835-7368

CAGE:83740

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

Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 0-15%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 CEILING

ACGIH TLV:5 MG/M3 (AS MN DUST)

Ingred Name:MERCURY (SARA III)

CAS:7439-97-6

RTECS #:OV4550000

Fraction by Wt: 0.3-1.5%

Other RE

C Limits:NONE SPECIFIED  
OSHA PEL:S, C, 0.1 MG/M3  
ACGIH TLV:S, 0.05 MG/M3; 9293  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:MERCURIC OXIDE (SARA III)  
CAS:21908-53-2  
RTECS #:OW8750000  
Fraction by Wt: 20-50%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.1 MG HG/M3;SKIN;C  
ACGIH TLV:0.1 MG HG/M3; 9293

Ingred Name:POTASSIUM HYDROXIDE (SARA III)  
CAS:1310-58-3  
RTECS #:TT2100000  
Fraction by Wt: 0-6%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:C, 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9293  
EPA Rpt Qty:1000 LBS  
DOT  
Rpt Qty:1000 LBS

Ingred Name:SODIUM HYDROXIDE (SARA III)  
CAS:1310-73-2  
RTECS #:WB4900000  
Fraction by Wt: 0-6%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ZINC (SARA III)  
CAS:7440-66-6  
RTECS #:ZG8600000  
Fraction by Wt: 5-15%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:10 MG ZNO/M3  
ACGIH TLV:10 MG ZNO/M3; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

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Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:HEALTH HAZARDS: BATTERY IS AN ARTICLE.  
NO HEALTH HAZARD IN NORMAL USE. CONTENTS OF AN OPENED BATTERY CAN  
CAUSE SERIOUS HEALTH PROBLEMS, IRRITATION AND CENTRAL NERVOUS  
SYSTEM EFFECTS.  
Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT  
IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:NO OVEREXP  
OSURE UNDER NORMAL CONDITIONS OF USE.  
BATTERY IS HERMETICALLY SEALED.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.IF  
IRRITATION PERSISTS,SEE DOCTOR. SKIN:WASH WITH SOAP AND WATER WHILE  
REMOVING CONTAMINATED CLOTHING AND SHOES.SEE DOCTOR. INHALATION:  
REMOVE V ICTIM TO FRESH AIR.GIVE OXYGEN/CPR IF NEEDED.SEE DOCTOR.  
ING  
ESTION: DO NOT INDUCE VOMIT.SEE DOCTOR IMMEDIATELY.CALL BATTERY  
INGESTION HOT LINE 202-625-3333.

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

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE  
FOR SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED  
CONTAINERS WITH WATER SPRAY TO PREVENT RUPTURE.  
Unusual Fire/Explosion Hazard:COMBUSTION  
OR HEAT OF FIRE MAY PRODUCE  
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS SUCH AS MERCURY VAPORS.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED  
AREA. ELEVATED TEMPERATURES CAN RESULT IN SHORTENED BATTERY LIFE.  
Other Precautions:DO NOT SEAL THE BATTERY IN AN AIRTIGHT OR WATERTIGHT  
CONTAINER. BATTERIES EVOLVE HYDROGEN AND CAN FORM AND EXPLOSIVE  
MIXTURE WITH AIR. DO NOT OBSTRUCT SAFETY RELEAS

E VENTS ON  
BATTERIES.

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

Respiratory Protection:NOT NECESSARY UNDER NORMAL CONDITIONS.

Ventilation:NO SPECIAL REQUIREMENT.

Protective Gloves:NOT NECESSARY UNDER NORMAL CONDITIONS.

Eye Protection:NOT NECESSARY UNDER NORMAL CONDITIONS.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

MANUFACTURER STATES ON MSDS THAT ITEM IS ARTICLE;

MSDS FOR INFORMATION

ONLY.

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

HCC:N1

Appearance and Odor:CYLINDRICAL 1.35 VOLTS BATTERY 1.19 IN DIA X 0.66  
IN LONG.

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES.

Hazardous Decomposition Products:MERCURY VAPORS.

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

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

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