

EVEREADY BATTERY CO INC -- BATTERY 504 -- 6135-00-221-4720

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

Product ID:BATTERY 504

MSDS Date:03/14/1991

FSC:6135

NIIN:00-221-4720

MSDS Number: BNTBX

=== Responsible Party ===

Company Name:EVEREADY BATTERY CO INC

Address:CHECKERBOARD SQ

City:ST LOUIS

State:MO

ZIP:63164

Country:US

Emergency Phone Num:216-835-7368

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: 15 - 31%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG MN/M3 CEILING

ACGIH TLV:5 MG MN/M3

Ingred Name:MERCURY (SARA III)

CAS:7439-97-6

RTECS #:OV4550000

Fraction by Wt: 0- 0.03%

Other REC Limits:NONE SPECIFIED

OSHA PEL:S, C, 0.1 MG/M3

ACGIH TLV:S, 0.05 MG/M3; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:ZINC CHLORIDE (SARA III)
CAS:7646-85-7
RTECS #:ZH1400000
Fraction by Wt: 2 - 7%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3/2 STEL
ACGIH TLV:1 MG/M3/2STEL FUME93
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 7 - 42%
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

===== 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:ACUTE AND CHRONIC- NONE. IF BATTERY RUPTURED:ORALLY CAN CAUSE SERIOUS GI TRACT BURNS. IF INHALED, CAN CAUSE RESPIRATORY TRACT IRRITATION. EYE CONTACT CAN CAUSE SEVERE IRRITATION AND BURNS. SKIN CONTACT CAN CAUSE IRRITATION.
Effects of Overexposure:NONE. IF BATTERY RUPTURED:ORALLY CAN CAUSE SERIOUS GI TRACT BURNS. IF INHALED, CAN CAUSE RESPIRATORY TRACT IRRITATION. EYE CONTACT CAN CAUSE SEVERE IRRITATION AND BURNS. SKIN CONTACT CAN CAUSE IRRITATION.
Medical Cond Aggravated by Exposure:NONE

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

First Aid:NONE. IF BATTERY RUPTURED, GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP AND WATER. INHALED:PROVIDE FRESH AIR. INGESTED:DO NOT INDUCE VO

MITING NOR GIVE FOOD OR DRINK. SEEK
MEDICAL HELP IMMEDIATELY. CALL NATIONAL BATTERY INGESTION HOTLINE
FOR ADVICE AND FOLLOW-UP (202-625-3333) COLLECT, DAY OR NIGHT.

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

Extinguishing Media:IN CASE OF FIRE, IT IS PERMISSIBLE TO USE ANY CLASS
OF EXTINGUISHER ON THESE BATTERIES OR THEIR PACKING MATERIAL.
Fire Fighting Procedures:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING
APPARATUS TO AVOID INHALATION OF HAZARDOUS D
ECOMPOSITION PRODUCTS.
COOL EXTERIOR OF BATTERIES TO PREVENT RUPTURE.
Unusual Fire/Explosion Hazard:LIKE ANY SEALED CONTAINER, BATTERY CELLS
MAY RUPTURE WHEN EXPOSED TO EXCESSIVE HEAT. THIS COULD RESULT IN
THE RELEASE OF TOXIC FUMES.

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

Spill Release Procedures:IN THE EVENT OF BATTERY RUPTURE, COLLECT ALL
RELEASED MATERIAL IN A PLASTIC BAG FOR WASTE DISPOSAL. WEAR GLOVES.

===== Handling and Stora
ge =====

Handling and Storage Precautions:STORAGE- STORE IN A COOL, WELL
VENTILATED AREA. ELEVATED TEMPERATURES CAN RESULT IN SHORTENED
BATTERY LIFE.
Other Precautions:DO NOT PACK, STORE OR SHIP BATTERIES IN TIGHTLY
SEALED CONTAINERS. THE SLOW EVOLUTION OF HYDROGEN GAS FROM
BATTERIES MAY FORM AN EXPLOSIVE MIXTURE WITH AIR AND CAN BE IGNITED
BY SHORT CIRCUIT, HIGH TE MPERATURE OR STATIC SPARKS.

===== Exposure Controls/Personal Protection =====
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Respiratory Protection:NONE NORMALLY REQUIRED. AS IN ANY FIRE
SITUATION, WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.
Protective Gloves:NONE, UNLESS BATTERIES ARE RUPTURED.
Eye Protection:NONE, UNLESS BATTERIES ARE RUPTURED.
Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER IF
NEEDED.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.
Supplemental Safety and Health
MANUFACTURER STATES THAT THIS BATTERY IS AN ART

ICLE AND, AS SUCH, IS
NOT SUBJECT TO THE OSHA HAZARD COMMUNICATION STANDARD REQUIREMENT
FOR PREPARATION OF A MATERIAL SAFETY DATA SHEET.

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

HCC:N1

Appearance and Odor:BATTERY, RECTANGULAR, DRY - NO ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Stability Condition to Avoid:EXCESSIVE HEAT, FIRE, ELECTRICAL SHORTING

Hazardous Decomposition

Products:OXIDES OR FUMES OF MANGANESE, ZINC AND
MERCURY

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

Waste Disposal Methods:DISPOSE IN LANDFILL OR APPROPRIATE INCINERATION
FACILITY IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL
REGULATIONS.

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