

EVEREADY BATTERY CO INC -- ENERGIZER,INDUSTRIAL ZMA -- 6135-00-835-7210

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

Product ID:ENERGIZER,INDUSTRIAL ZMA

MSDS Date:08/11/1995

FSC:6135

NIIN:00-835-7210

MSDS Number: BZ NJM

=== Responsible Party ===

Company Name:EVEREADY BATTERY CO INC

Address:25225 DETROIT RD.

City:WESTLAKE

State:OH

ZIP:44145

Country:US

Info Phone Num:216-835-7368

Emergency Phone Num:216-835-7368

CAGE:83740

=== Contractor Identification ===

Company Name:EVE

READY 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:GRAPHITE, NATURAL

CAS:7782-42-5

RTECS #:MD9659600

Fraction by Wt: 2-6%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MPPCF; Z-3

ACGIH TLV:2 MG/M3 RDUST; 9596

Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 30-45%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG MN

/M3 CEILING
ACGIH TLV:5 MG MN/M3

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 4-8%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ZINC (SARA 313) (CERCLA)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 12-25%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of E

ntry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:**NOT HARMFUL UNLESS BROKEN**

INGEST:SWALLOWING A BATTERY CAN BE HARMFUL.CONTENTS MAY CAUSE
SERIOUS CHEMICAL BURNS OF THE MOUTH,ESOPHAGUS AND GI

TRACT.INHAL:CONTENTS OF AN OPENED BATTERY MAY CAUSE RES PIRATORY
IRRITATION.SKIN/EYE:CONTENTS MAY CAUSE CHEMICAL BURNS.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED

AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:CONTENTS MAY CAUSE SERIOUS CHEMICAL BURNS OF
THE MOUTH,ESOPHAGUS,GI TRACT,SKIN AND EYES.MAY CAUSE RESPIRATORY
IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND
WATER.SEEK MEDICAL ATTENTION FOR CHEMICAL BURNS.EYES:FLUSH WITH
WATER FOR 15 MINUTES.SEEK MEDICAL A

ATTENTION. INHAL: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. INGEST: DO NOT INDUCE VOMITING. GET PROMPT QUALIFIED MEDICAL ATTENTION. CALL NATIONAL BATTERY INGESTION HOTLINE AT 202-625-3333(24HRS).

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

Flash Point: NONE
Extinguishing Media: USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures: USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.
Unusual Fire/Explosion Hazard: NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures: USE PROPER PROTECTIVE EQUIPMENT. VENTILATE AREA. PICK UP BULK PIECES; SOAK UP RESIDUE WITH A NON-COMBUSTIBLE INERT ABSORBANT (CLAY, SAND); PLACE IN PROPER CONTAINER FOR DISPOSAL. WASH SPILL AREA.
Neutralizing Agent: NOT APPLICABLE.

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

Handling and Storage Precautions: STORE IN A COOL, DRY, WELL-VENTILATED PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID SHORTING. DO NOT RECHARGE.
Other Precautions: ELEVATED TEMPERATURE MAY SHORTEN BATTERY LIFE. CONTACT EVEREADY FOR SEALED APPLICATIONS; DO NOT ABSTRACT VENTS ON BATTERIES.

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

Respiratory Protection: NOT NEEDED IN NORMAL SERVICE.
Ventilation: NO SPECIAL REQUIREMENTS.
Protective Gloves: NEOPRENE OR NBR FOR LEAKERS.
Eye Protection: SAFETY GLASSES WITH SIDESHIELDS (LEAKER)
Other Protective Equipment: PROTECTIVE CLOTHING, AS NEEDED. PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.
Work Hygienic Practices: USE REASONABLE CARE IN HANDLING THIS PRODUCT. WASH HANDS AFTER USE AND BEFORE EATING.
Supplemental Safety and Health
DEFINITIVE SPEC: BA-3030/U.

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

HCC: N1
Solubility in Water: INSOLUBLE
Appearance and Odor: C CELL BATTERY

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

Stability Indicator/Materials to Avoid: YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid: STATIC, SPARKS, FIRE. DO NOT CHARGE. DO NOT
REVERSE POLARITY. AVOID PHYSICAL DAMAGE.

Hazardous Decomposition Products: BATTERIES NORMALLY EVOLVE HYDROGEN GAS
WHICH IS EXPLOSIVE OR FLAMMABLE WITH AIR.

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

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

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