

EVEREADY BATTERY CO INC -- ENERGIZER,INDUSTRIAL ZMA -- 6135-00-826-4798

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Product Identification  
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Product ID:ENERGIZER,INDUSTRIAL ZMA

MSDS Date:08/11/1995

FSC:6135

NIIN:00-826-4798

MSDS Number: BZCJK

=== 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:216-835-7

368

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

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Composition/Information on Ingredients  
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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

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===== 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:\*\*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 RESPIRATORY  
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 CHEMI

CAL BURNS.EYES:FLUSH WITH WATER FOR 15 MINUTES.SEEK MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN O R ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.CALL NATIONAL BATTERY INGESTION HOTLINE AT 202-625-3333(24HRS).

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===== 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.

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===== 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.

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===== 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.

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===== 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  
NONDEFINITIVE SPEC:L30 TYPE,AAA SIZE,P CLASS.NONDEFINITIVE GOVERNMENT STD:WB101.

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

cal Properties =====

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:C CELL BATTERY

===== 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.

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

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

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