

EVEREADY BATTERY CO,INC -- BA-3051/U,ENERGIZER,INDUSTRIAL ZMA BATTERY --
6135-00-935-2582

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

Product ID:BA-3051/U,ENERGIZER,INDUSTRIAL ZMA BATTERY

MSDS Date:10/03/1996

FSC:6135

NIIN:00-935-2582

MSDS Number: CGFNZ

=== Responsible Party ===

Company Name:EVEREADY BATTERY CO,INC

Address:25225 DETROIT RD

City:WESTLAKE

State:OH

ZIP:44145

Country:US

Emergency Phone Num:440-835-7368

CAGE:66571

=== Contractor Identification ===

Company N

ame:EVEREADY BATTERY CO INC

Address:25225 DETROIT ROAD

Box:City:WESTLAKE

State:OH

ZIP:44145

Country:US

Phone:440-835-7368

CAGE:66571

Company Name:PLAINVIEW BATTERIES INC

Address:23 NEWTOWN RD

Box:City:PLAINVIEW

State:NY

ZIP:11803

Country:US

Phone:516-249-2873

CAGE:0LEJ1

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

Ingred Name:GRAPHITE

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; 95

Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 30-45%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 C (AS MN)

ACGIH TLV:0.2 MG/M3 TWA(AS MN)

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

OSHA PEL:15 MG/M3,TWA

ACGIH TLV:10 MG/MG3,TWA

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:NONE UNDER NORMAL CONDITIONS OF USE,BATTERY IS HERMATICALLY SEALED.OPEN BATTERY: EYES/SKIN: CONTENTS CAN CAUSE SEVERE IR

RITATION AND CHEMICAL BURNS.INHALATION:

CONTENTS CAN CAUSE RESPIRATORY IRRITATIO N.INGESTION: SWALLOWING A BATTERY CAN BE HARMFUL. CONTENTS CAN CAUSE SERIOUS CHEMICAL BURNS OF MOUTH,ESOPHAGUS,GI TRACT.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:NONE UNDER NORMAL CONDITIONS OF USE. OPEN

BATTERY CONTENTS: EYES: IRRITATION, CHEMICAL BURNS. SKIN:

IRRITATION, CHEMICAL BURNS. INHALATION: IRRITATION OF RESPIRATORY TRACT. INGESTION: CHEMICAL BURNS O F MOUTH, ESOP

HAGUS, AND GASTRO
INTESTINAL TRACT.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:FOR CONTACT WITH CONTENTS OF OPEN BATTERY: EYES: FLUSH WITH
LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: REMOVE
CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. IF CHEMICAL
BURN OCCURS OR IRRITATION PERSISTS, GET MEDICAL ATTENTION.
INHALATION: MOVE TO FRESH AIR. GET MEDICAL ATTENT
ION. INGESTION: DO
NOT INDUCE VOMITING OR GIVE FOOD OR DRINK. GET MEDICAL
ATTENTION.SEE SUPPLEMENTAL DATA.

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

Flash Point:NONE
Extinguishing Media:IN CASE OF FIRE USE ANY CLASS OF EXTINGUISHING
MEDIUM ON THESE BATTERIES OR THEIR PACKING MATERIAL.
Fire Fighting Procedures:COOL EXTERIOR OF BATTERIES IF EXPOSED TO FIRE
TO PREVENT RUPTURE. FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED
BREATHING APPARATUS.
Unusual Fire/
Explosion Hazard:NONE

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL,WELL VENTILATED AREA.DO
NOT OBSTRUCT SAFETY RELEASE VENTS.ENCAPSULATION(POTTING) WILL NOT
ALLOW CELL VENTING CAUSING HIGH PRESS. RUPTURE
Other Precautions:BATTERY IS MANUFACTU
RED IN A CHARGED STATE. NOT
DESIGNED FOR RECHARGING WHICH CAN CAUSE LEAKAGE OR HIGH PRESS.
RUPTURE. INADVERTENT CHARGING CAN OCCUR IF BATTERY IS INSTALLED
BACKWARDS.

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

Respiratory Protection:NOT NECESSARY UNDER NORMAL CONDITIONS.
Ventilation:NOT NECESSARY UNDER NORMAL CONDITIONS.
Protective Gloves:NEOPRENE/NATURAL RUBBER FOR LEAKING UNIT
Eye Protection:SAFETY GLASSES IF HANDLING LEAKING UNIT.
Other Protective Equipme

nt:NOT NECESSARY UNDER NORMAL CONDITIONS.

Work Hygienic Practices:NORMAL WORK AREA HYGENIC PRACTICE IS ADEQUAT
UNDER NORMAL CONDITIONS.

Supplemental Safety and Health

CONTD. FROM FIRST AID, INGESTION: IF BATTERY OR OPEN BATTERY IS
INGESTED CALL NATIONAL BATTERY INGESTION HOTLINE FOR ADVICE AND
FOLLOW-UP (202-625-3333) COLLECT, DAY OR NIGHT.

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

HCC:N1

Appearance and Odor:DRY BATTERY, RECTANGULAR, 67.5 VOLTS

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:PHYSICAL DAMAGE, SHORT CIRCUITING.

INSTALLING BACKWARDS CAUSES RECHARGING WITH LEAKAGE OR HIGH
PRESSURE RUPTURE.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:THE BATTERY SHOULD NOT BE OPENED OR DISPOSE OF
IN FIR

E. DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE,
AND LOCAL REGULATIONS.

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