

RAYOVAC CORP -- ALKALINE BATTERIES-LOW MERCURY -- 6135-00-985-7845

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

Product ID:ALKALINE BATTERIES-LOW MERCURY

MSDS Date:11/01/1990

FSC:6135

NIIN:00-985-7845

MSDS Number: BSTYF

=== Responsible Party ===

Company Name:RAYOVAC CORP

Address:601 RAYOVAC DRIVE

Box:4960

City:MADISON

State:WI

ZIP:53711-0960

Country:US

Info Phone Num:608-275-3340

Emergency Phone Num:608-275-4856/4824/4739

Preparer's Name:MARSHEL BEASON JR

CAGE:77542

=== Contractor Identification ===

Company Name:RAYOVAC CORP

Address:601 RAYOVAC DRIVE

Box:City:MADISON

State:WI

ZIP:53711

Country:US

Phone:608-275-4735/800-255-3924

CAGE:77542

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

Inged Name:MANGANESE DIOXIDE (AS MANGANESE)

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 32-38% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:C, 5 MG/M3

ACGIH TLV:5 MG/M3 DUST/1 FUME

Inged Name:ZINC (SARA III)

CAS:7440-66-6

RTECS #:ZG8600000

Fraction by Wt: 11-16% %

Other REC Limits:124 MG/M3 (MFR)

OSHA PEL:10 MG ZNO/M3

ACGIH TLV:10 MG ZNO/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Inged Name:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 5-9% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:C, 2 MG/M3

ACGIH TLV:C 2 MG/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:CARBON BLACK
 CAS:1333-86-4
 RTECS #:FF5800000
 Fraction by Wt: 3-5% %
 Other REC Limits:NONE SPECIFIED
 OSHA PEL:3.5 MG/M3
 ACGIH TLV:3.5 MG/M3; 9192

Ingred Name:MERCURY (SARA III)
 CAS:7439-97-6
 RTECS #:OV4550000
 Fraction by Wt: <0.025%
 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

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 ===== Hazards Identification =====
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Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
 Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
 Health Hazards Acute and Chronic:NO HEALTH HAZARD UNLESS BATTERY
 RUPTURES. IN THAT EVENT, IT MAY CAUSE BURNS AND IRRITATION.
 Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT
 IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.
 Effects of Overexposure:IF BATTERY RUPTURES, IT MAY CAUSE IRRITATION
 AND BURNS.

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 ===== First Aid Measures =====
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First Aid:EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.GET
 IMMEDIATE MEDICAL ATTENTION. SKIN:WASH WITH SOAP AND WATER.

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 ===== Fire Fighting Measures =====
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Extinguishing Media:IN BULK STORAGE AREA, USE FOAM OR DRY POWDER. WATER
 MAY CAUSE ELECTRICAL SHORTS.
 Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
 FULL FACED SELF CONTAINED BREATHING APPARATUS.
 Unusual Fire/Explosion Hazard:LIKE ANY SEALED CONTAINER, BATTERY CELLS
 MAY RUPTURE WHEN EXPOSED TO EXCESSIVE HEAT; THIS COULD RESULT IN
 THE RELEASE OF CORROSIVE MATERIALS.

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 ===== Accidental Release Measures =====
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Spill Release Procedures:IN THE EVENT OF BATTERY RUPTURE, COLLECT ALL
 RELEASED MATERIAL IN PLASTIC BAG FOR WASTE DISPOSAL. FLUSH RESIDUE
 WITH PLENTY OF WATER.

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 ===== Handling and Storage =====
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Handling and Storage Precautions:STORE IN A DRY PLACE. DO NOT RECHARGE.
 DO NOT STORE UNPACKED CELLS TOGETHER SO CONTACTS CAN TOUCH. THIS
 SITUATION COULD RESULT IN SHORTING AND HEAT.
 Other Precautions:DO NOT PACK, STORE OR SHIP USED BATTERIES IN TIGHTLY
 SEALED CONTAINERS. THE SLOW EVOLUTION OF HYDROGEN GAS FROM USED
 BATTERIES MAY PRODUCE CONTAINER OVER-PRESSURE OR EXPLOSIVE

CONDITIONS.

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

Respiratory Protection:IN A FIRE SITUATION, USE SELF-CONTAINED
BREATHING APPARATUS.

Supplemental Safety and Health

WHEN SHREDDED PER TCLP PARAMETERS AND TEST SW846, 3RD EDITION, "TEST
METHOD FOR EVALUATION SOLID WASTE" INDEPENDENT CERTIFIED LABORATORY
ANALYSES HAVE INDICATED THESE RAYOVAC BATTERY TYPES TO HAVE NO
HAZARDOUS WASTE CHARACTERISTICS (PER 40CFR, PART 261.24).--
MANUFACTURER STATES THIS IS AN ARTICLE,NO MSDS REQUIRED.--

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

HCC:N1

Appearance and Odor:CYLINDRICAL BATTERY, 1.5 VOLTS

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:AVOID ELECTRICAL SHORTING.

Hazardous Decomposition Products:OXIDES OR FUMES OF MANGANESE, ZINC,
POTASSIUM, AND MERCURY.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND
LOCAL REGULATIONS. SEE SUPPLEMENTAL DATA FOR MORE INFORMATION.

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