

RAYOVAC CORP -- SILVER OXIDE BATTERIES -- 6135-01-096-0330

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Product Identification
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Product ID:SILVER OXIDE BATTERIES

MSDS Date:08/01/2000

FSC:6135

NIIN:01-096-0330

Status Code:A

MSDS Number: CLPDZ

=== Responsible Party ===

Company Name:RAYOVAC CORP

Address:601 RAYOVAC DRIVE

City:MADISON

State:WI

ZIP:53711

Country:US

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

Emergency Phone Num:608-275-4

735

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

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Composition/Information on Ingredients
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Ingred Name:SILVER (SOLUBLE, AS AG)

CAS:7440-22-4

RTECS #:VW3500000

< Wt:.5

OSHA PEL:0.01 MG/M3

ACGIH TLV:0.1 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:STEEL

CAS:7439-89-6

RTECS #:NO4565500

Minimum % Wt:37.

Maxumum % Wt:41.

Ingred Name:ZINC
CAS:7440-66-6
RTECS #:ZG8600000
Minumum % Wt:30.
Maxumum % Wt:40.
ACGIH TLV:5 MG/M3 (ZINC OXIDE)
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:POTASSIUM HYDROXIDE
CAS:1310-58-3
RTECS #:TT2100000
Minumum % Wt:1.
Maxumum % Wt:3.
ACGIH STEL:C2 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:GRAPHITE (CARBON)
CAS:7782-42-5
RTECS #:MD9659600
< Wt:.25
OSHA PEL:SEE TABLE Z-3
ACGIH TLV:2 MG/M3

Ingred Name:MERCURY
CAS:7439-97-6
RTECS #:OV4550000
< Wt:.9
OSHA
PEL:SEE TABLE Z-2
ACGIH TLV:0.025 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:MANGANESE DIOXIDE
CAS:1313-13-9
RTECS #:OP0350000
< Wt:2.5
OSHA PEL:C5 MG/M3
ACGIH TLV:0.2 MG/M3

Ingred Name:WATER, PAPER, PLASTIC, OTHER
Fraction by Wt: BALANVE

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

Effects of Overexposure:NONE. (IN FIRE OR RUPTURE SITUATION SEE
INGREDIENTS SECTION AND FIRE & EXPLOSON HAZARD DATA SECTION).

===== First Aid Measures

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First Aid:SKIN AND EYES: IN THE EVENT THAT BATTERY RUPTURES, FLUSH WITH COPIUS QUANTITIES OF WATER. GET IMMEDIATE ATTENTION FOR EYS. WASH SKIN WITH SOAP AND WATER. SWALLOWING: INGESTION OF A BATTERY CAN BE HARM FUL. CALL THE NATIONAL BATTERY INGESTION HOTLINE (202-625-3333) COLLECT, DAY OR NIGHT-FOR ADVICE AND FOLLOW-UP.

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Fire Fighting Measures =====

Extinguishing Media:USE WATER, FOAM OR DRY POWDER, AS APPROPRIAT E.

Fire Fighting Procedures:AS WITH ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF HAZARDOUS DECOMPOSITION PRODUCTS (SEE INGREDIENTS SECTION).

Unusual Fire/Explosion Hazard:LIKE ANY SCALED CONTAINER, BATTERY CELLS MAY RUPTURE WHEN EXPOSED TO EXCESSIVE HEAT; THIS COULD RESULT IN THE RELEASE OF FLAMMABLE OR CORROSIVE MATERIALS.

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Accidental Release Measures =====

Spill Release Procedures:IN THE EVENT OF A BATTERY RUPTURE, COLLECT ALL RELEASED MATERIAL IN A PLASTIC LINED METAL CONTAINER. REPORTING PROCEDURE: REPORT ALL SPILLS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REPORTING REQU IREMENTS.

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Handling and Storage =====

Handling and Storage Precautions:STORE IN A DRY PLACE. STORING UNPACKAGED CELLS TOGETHER IN CELL SHORTING AND HEAT BUILD -UP.

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Exposure Controls/Personal Protection =====

Ventilation:LOCAL EXHAUST:N/A MECHANICAL (GENERAL): N/A SPECIAL: N/A OTHER: N/A.

Supplemental Safety and Health

PRODUCT NAME: SILVER OXIDE BATTERIES. SIZES: ALL. WE WOULD LIKE TO INFORM OUR CUSTOMERS THAT THESE BATTERIES ARE EXEMPT ARTICLES AND ARE NOT SUBJECT TO THE 29 CFR 1910.1200 OSHA REQUIREMENT, OR TO THE CANADIAN WHMIS REQUIREMENTS, AND THE SHEETS ARE SUPPLIED AS A SERVICE TO YOU.

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Physical/Chemical Properties =====

HCC:Z7

Appearance and Odor:GEOMETRIC SOLID OBJECT

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

Stability Indicator/Materials to Avoid: YES

Stability Condition to Avoid: AVOID ELECTRICAL SHORTING.

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

Waste Disposal Methods: (CONTACT RAYOVAC FOR SPECIFIC DISPOSAL OPTIONS)

1) RECLAIM OR APPROVED, SECURED LANDFILL AFTER REQUIRED
PRETREATMENT. 2) PER FEDERAL, STATE AND LOCAL DISPOSAL
REQUIREMENTS. FOR ADDITIONAL INFORMATION ON DISPOSAL OR RECYCLING
OPTIO

NS, VISIT OUR WEBSITE AT [HTTP://WWW.RAYOVAC.COM](http://www.rayovac.com).

===== MSDS Transport Information =====

Transport Information: TRANSPORTATION-SHIPPING: THESE ARE "BATTERIES,
DRY" AND ARE NOT CONSIDERED TO BE A "HAZARDOUS MATERIAL" PER U.S.
DOT (DEPT. OF TRANSPORTATION) REGULATIONS OR "DANGEROUS GOODS" PER
IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION) REGULATIONS.

===== Regulatory Information =====

SARA Title III Information: SARA 31

3: NOTIFICATION IS NOT REQUIRED

BECAUSE THESE PRODUCTS ARE ARTICLE(S) THAT DO NOT RELEASE A COVERED
TOXIC CHEMICAL UNDER THE NORMAL CONDITIONS OF PROCESSING OR USE.

State Regulatory Information:

Disclaimer (provided with this information by the compiling agencies):

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