

RAYOVAC CORP -- ZINC CHLORIDE BATTERIES-"NO MERCURY, NO CADMIUM" FORMULA --
6135-00-100-0413

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

Product ID:ZINC CHLORIDE BATTERIES-"NO MERCURY, NO CADMIUM" FORMULA

MSDS Date:08/01/2000

FSC:6135

NIIN:00-100-0413

Status Code:A

MSDS Number: CKWJB

=== Responsible Party ===

Company Name:RAYOVAC CORP

Address:601 RAYOVAC DRIVE

City:MADISON

State:WI

ZIP:53711

Country:US

In

fo Phone Num:608-275-3340

Emergency Phone Num:608-275-4735 OR 800-255-3924(24 HR)

Preparer's Name:TIMOTHY J. ANDERSON

CAGE:77542

=== Contractor Identification ===

Company Name:EASTERN CAROLINA VOCATIONAL CENTER

Address:STATION BLVD

Box:1686

City:GREENVILLE

State:NC

ZIP:27834-1686

Country:US

Phone:919-758-4188

Contract Num:SP0430-01-M-G053

CAGE:4U407

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:STEEL (IRON)

CAS:7439-89-6

RTECS #:NO4565500

Minumum % Wt:8.

Maxumum % Wt:14.

Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Minumum % Wt:28.

Maxumum % Wt:32.

OSHA PEL:C5 MG/M3

ACGIH TLV:0.2 MG/M3

Ingred Name:ZINC

CAS:7440-66-6

RTECS #:ZG8600000

Minumum % Wt:16.

Maxumum % Wt:20.

ACGIH TLV:10 MG/M3 AS ZNO

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:GRAPHITE

CAS:7782-42-5

RTECS #:MD9659600

Minu

mum % Wt:7.

Maxumum % Wt:13.

OSHA PEL:SEE TABLE Z-3

ACGIH TLV:2 MG/M3

Ingred Name:ZINC CHLORIDE

CAS:7646-85-7

RTECS #:ZH1400000

Minumum % Wt:6.

Maxumum % Wt:10.

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3

ACGIH STEL:2 MG/M3

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:LEAD

CAS:7439-92-1

RTECS #:OF7525000

< Wt:.02

ACGIH TLV:0.05 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:WATER, PAPER, PLASTIC, OTHER

Fraction by Wt: BALANCE

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Hazards Identification
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Health Hazards Acute and Chronic:NONE.THESE BATTERIES ARE EXEMPT ARTICLES AND ARE NOT SUBJECT TO THE 29 CFR 1910.1200 OSHA REQUIREMENT, OR TO THE CANADIAN WHMIS REQUIREMENTS. MSDS IS NOT REQUIRED, THIS SHEET IS PROVIDED AS A SERVICE TO THE CUSTOMERS.
Effects of Overexposure:NONE

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

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

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

Extinguishing Media:USE WATER, FOAM OR DRY POWDER, AS APPROPRIATE.
Fire Fighting Procedures:AS WITH ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF HAZARDOUS DECOMPOSITION PRODUCTS.
Unusual Fire/Explosion Hazard:LIKE ANY SEALED CONTAINER, BATTERY CELLS MAY RUPTURE WHEN EXPOSED TO EXCESSIVE HEAT; THIS COULD RESULT IN THE RELEASE OF FLAMMABLE OR CORROSIVE MATERIALS.

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

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

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

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

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

Work Hygienic Practices:N/P. FOR HANDLING RUPTURED BATTERIES, WEAR PLASTIC OR VINYL GLOVES.
Supplemental Safety and Health

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

HCC:Z7
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pearance and Odor:GEOMETRIC SOLID OBJECT.

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

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:AVOID ELECTRICAL SHORTING.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:INDEPENDENT CERTIFIED LABORATORY ANALYSES HAVE INDICATED THESE RAYOVAC BATTERY TYPES TO HAVE NO HAZARDOUS WASTE CHARACTERISTIC (PER 40 CFR, PART 261.26) & CAN BE LANDFILLED IF ALL OTHER FEDERAL, STATE AND LOCAL REGULATIONS ARE COMPLIED WITH. TCLP DATA IS AVAILABLE AT 608-275-4735.

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

Transport Information:NOT REGULATED BY DOT OR IATA FOR TRANSPORTATION.

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

SARA Title III Information:NOTIFICATION IS NOT REQUIRED BECAUSE THESE BATTERIES ARE ARTICLE(S) THAT DO NOT RELEASE A COVERED TOXIC CHEMICAL UNDER THE NORMAL CONDITIONS OF PROCESSING OR USE. WHEN SHREDDED PER TOXICITY CHARACTERISTIC LEACHATE PROCEDURE (TCLP) PARAMETERS AND TESTED PER SW 846, 3RD EDITION, TEST METHODS FOR EVALUATING SOLID WASTE, INDEPENDENT CERTIFIED LABORATORY ANALYSES HAVE INDICATED THESE RAYOVAC BATTERY TYPES TO HAVE NO HAZARDOUS WASTE CHARACTERISTIC (PER 40 CFR, PART 261.26).

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