

RAYOVAC CORP -- ZINC-CHLORIDE BATTERIES "NO MERCURY, NO CADMI

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MSDS Safety Information
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FSC: 6135
NIIN: 00-050-0916
MSDS Date: 04/07/1998
MSDS Num: CJSNN
Product ID: ZINC-CHLORIDE BATTERIES "NO MERCURY, NO CADMIUM" FORMULA
MFN: 01
Article: Y
Responsible Party
Cage: 77542
Name: RAYOVAC CORP
Address: 601 RA
YOVAC DRIVE
City: MADISON WI 53711
Info Phone Number: 608-275-3340
Emergency Phone Number: 800-255-3924

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Item Description Information
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Item Manager: S9G
Item Name: BATTERY, NONRECHARGEABLE
Specification Number: MIL-B-18
Type/Grade/Class: BA 44 TYPE
Unit of Issue: EA
UI Container Qty: 1
Type of Container: BATTERY

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Regulated Components
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Regulated Component Name: MANGANESE DIOXIDE
CAS: 1313-13-9
Percent Text: 28-32%
Regulated Component Name: IRON
CAS: 7439-89-6
Percent Text: 8-14%
Regulated Component Name: ZINC
CAS: 7440-66-6
Percent Text: 16-20%
Regulated Component Name: WATER
CAS: 7732-18-5
Percent Text: 14-18%
Regulated Component Name: CARBON
CAS: 7440-44-0
Percent Text: 7-13%
Regulated Component Name: ZINC CHLORIDE
CAS: 7646-85-7
Percent Text: 6-10%
Regulated Componen

t Name: LEAD
CAS: 7439-92-1

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Health Hazards Data
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Route Of Entry Inds - Inhalation: NO

Skin: NO

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: NONE PROVIDED BY MFR.

Explanation Of Carcinogenicity: NONE LISTED.

Signs And Symptoms Of Overexposure: NONE, UNLESS BATTERY RUPTURES.

First Aid: SKIN & 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. DO NOT INDUCE VOMITING (OR GIVE FOOD OR DRINK). SEEK MEDICAL ATTENTION IMMEDIATELY. CALL THE NATIONAL BATTERY INGESTION HOTLINE (202-625-3333) COLLECT, DAY OR NIGHT - FOR ADVICE AND FOLLOW-UP.

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Handling and Disposal
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Waste

Disposal Methods: BATTERY IS A DRY SOLID & CAN BE HANDLED WITH SHOVELS/ SIMILAR EQUIPMENT. WHEN ACCUMULATING LG QUANTITIES OF UNDISCHARGED BATTERIES FOR DISPOSAL, PACK IN A NON-CONDUCTIVE, INSULATING MATERIAL. IF BATTERY RUPTURES, COLLECT ALL RELEASED MATERIAL IN A PLASTIC BAG FOR WASTE DISPOSAL. MAKE SURE BATTERIES ARE COOL BEFORE PUTTING INTO PLASTIC BAG.

Handling And Storage Precautions: STORE IN A DRY PLACE. DO NOT STORE UNPACKAGED CELLS TOGETHER SO CONTACTS CAN TOUCH. THIS SITUATION COULD RESULT IN CELL SHORTING AND HEAT BUILD-UP.

Other Precautions: DO NOT OVERCHARGE. BATTERIES MAY BECOME HEATED FROM IMPROPER STORAGE OR IMPROPER PLACEMENT IN A CHARGER.

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Fire and Explosion Hazard Information
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Extinguishing Media: IN BULK STORAGE AREAS, USE FOAM OR DRY POWDER. WATER MAY CAUSE ELECTRICAL SHORTS.

Fire Fighting Procedures: AS WITH ANY FIRE, WEAR SELF-CONTAINED

INED 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 CORROSIVE MATERIALS.

Control Measures

Respiratory Protection: AS IN ANY FIRE SITUATION, USE SELF-CONTAINED BREATHING APPARATUS (SCBA)

Supplementa

I Safety and Health: ***** NOTICE ***** PER TOTAL ITEM RECORD, THE SOS FOR THIS ITEM IS S9G. BATTERY IS 6.0 VOLTS.

Physical/Chemical Properties

HCC: Z7

Appearance and Odor: ENCASED CYLINDRICAL OR RECTANGULAR SHAPE

Reactivity Data

Stability Indicator: YES

Stability Con

dition To Avoid: AVOID ELECTRICAL SHORTING

Hazardous Decomposition Products: OXIDES OR FUMES OF MN, ZN, PB

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

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Responsible Party Cage: 77542

Trans ID NO: 149917

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

MSDS Prepared Date: 04/07/1998

Review Date: 11/09/1999

MFN: 1

Multiple KIT Number: 0

Unit Of Issue: EA

Container QTY: 1

Type Of Container: BATTERY

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Detail DOT Information

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DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANS
PORTATION

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Detail IMO Information

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IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

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Detail IATA Information

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IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail AFI Information

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AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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HAZCOM Label

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

Cage: 77542

Company Name: RAYOVAC CORP

Street: 601 RAYOVAC DRIVE

City: MADISON WI

Zipcode: 53711

Health Emergency Ph

one: 800-255-3924
Label Required IND: Y
Date Of Label Review: 11/09/1999
Status Code: A
Origination Code: F
Signal Word: CAUTION
Health Hazard: None
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None
Hazard And Precautions: NONE PROVIDED BY MFR.

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