

RAYOVAC CORP -- ZINC-CHLORIDE BATTERIES "NO MERCURY, NO CADMIUM" FORMULA --  
6135-00-825-6692

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

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

MSDS Date:07/04/1998

FSC:6135

NIIN:00-825-6692

Status Code:A

MSDS Number: CJXJL

=== Responsible Party ===

Company Name:RAYOVAC CORP

Address:601 RAYOVAC DRIVE

Box:4960

City:MADISON

State:WI

ZIP:53711-09

60

Country:US

Info Phone Num:608-275-3340

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

Resp. Party Other MSDS Num.:040798.DOC

Preparer's Name:TIMMOTHY J. ANDERSON

CAGE:77542

=== Contractor Identification ===

Company Name:NETEX INDUSTRIES(FORMER NORTHEAST TEXAS IND)

Address:1700 NORTH EDWARDS STREET

Box:City:MOUNT PLEASANT

State:TX

ZIP:75455

Country:US

Phone:903-577-0388

Contract Num:SP0430-96-D-4010

CAGE:0WAG0

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:IRON (STEEL)  
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:5 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:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Minumum % Wt:14.  
Maxumum % Wt:18.

Ingred Name:CARBON  
CAS:7440-44-0  
RTECS #:FF5250000  
Minumum % Wt:7.  
Maxumum % Wt:13.  
ACGIH TLV:3.5 MG/M3

Ingred Name:ZINC CHLORIDE  
CAS:7646-85-7  
RTECS #:ZH1400000  
Minumum % Wt:8.  
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  
&lt; Wt:.02  
ACGIH TLV:0.15 MG/M3  
EPA Rpt Qty:1 LB

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Hazards Identification  
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LD50 LC50 Mixture:NONE PROVIDED BY MFR.

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 IRRITATION OF EYES AND SKIN.

INGESTION OF A BATTERY CAN BE HARMFUL.

Explanation of Carcinogenicity:NONE PROVIDED BY MFR.

Effects of Overexposure:IF BATTERY RUPTURES, IT MAY CAU

SE IRRITATION

AND BURNS.

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First Aid Measures  
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First Aid:IN THE EVENT THAT BATTERY RUPTURES, FLUSH EYES WITH COPIOUS

AMOUNTS OF WATER. GET IMMEDIATE MEDICAL ATTENTION. SKIN: WASH 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 ADVISE A

ND FOLLOW-UP.

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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: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 COR

ROSIVE MATERIALS.

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Accidental Release Measures  
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Spill Release Procedures:WHEN ACCUMULATING LARGE QUANTITIES OF

UNDISCHARGED BATTERIES FOR DISPOSAL, PACK IN A NON-CONDUCTIVE,

INSULATING MATERIAL. IN THE EVENT OF BATTERY RUPTURE, COLLECT ALL

RELEASED MATERIAL IN PLASTIC BAG FOR WASTE DISPOSAL. MAKE SURE

BATTERIES ARE COOL BEFORE PUTTING INTO A PLASTIC BAG (NOTE:

BATTERIES MAY BECOME HEATED FROM IMPROPER STORAGE OR IMPROPER

PLACEMENT

IN A CHARGER.)

Neutralizing Agent:NONE PROVIDED BY MFR.

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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-PRES  
SURE OR EXPLOSIVE  
CONDITIONS.

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Exposure Controls/Personal Protection  
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Respiratory Protection:AS IN ANY FIRE SITUATION, USE SELF-CONTAINED  
BREATHING APPARATUS (SCBA).

Supplemental Safety and Health

WHEN SHREDDED PER TCLP PARAMETERS AND TESTED PER SW846, INDEPENDENT  
CERTIFIED LABORATORY ANALYSES HAVE INDICATED THESE RAYOVAC BATTERY  
TYPES TO HAVE NO HAZARDOUS WASTE CHARACTERISTICS (PER 40 CFR, PAR T  
261.24).--MANUFACTURER STATES THIS IS AN ARTICLE,  
NO MSDS  
REQUIRED--.

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Physical/Chemical Properties  
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HCC:N1

Appearance and Odor:ENCASED CYLINDRICAL OR RECTANGULAR SHAPE.

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:AVOID ELECTRICAL SHORTING.

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

Conditions to Avoid Polymerization:WILL NOT OCCUR

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Toxicological Information  
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Toxicological Information:NO INFORMATION PROVIDED.

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Ecological Information  
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Ecological:NO INFORMATION PROVIDED.

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Disposal Considerations  
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Waste Disposal Methods:RAYOVAC BATTERIES HAVE NO HAZ WASTE  
CHARACTERISTICS AND CAN BE LANDFILLED IF ALL OTHER FEDERAL, STATE  
AND LOCAL REGULATIONS ARE COMPLIED WITH. SEE SUPPLEMENTAL DATA FOR  
MORE INFORMATION.

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MSDS Transpor

t Information =====

Transport Information:NOT REGULATED BY DOT OR IATA.

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

SARA Title III Information:NOTIFICATION IS NOT REQUIRED BECAUSE THESE PRODUCTS ARE ARTICLES THAT DO NOT RELEASE A COVERED TOXIC CHEMICAL UNDER THE NORMAL CONDITIONS OF PROCESSING OR USE.

Federal Regulatory Information:NO INFORMATION PROVIDED.

State Regulatory Information:NO INFORMATION PROVIDED.

===== Other Information =====

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