

RAYOVAC CORP -- LITHIUM CARBON MONOFLUORIDE BUTTON CELLS -- 6135-00-900-2139

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

Product ID:LITHIUM CARBON MONOFLUORIDE BUTTON CELLS

MSDS Date:03/15/1994

FSC:6135

NIIN:00-900-2139

MSDS Number: BZ NJQ

=== 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/FAX 60

8-275-4992

Emergency Phone Num:608-275-4856

Preparer's Name:MARSHEL L. 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
=====

Ingred Name:STAINLESS STEEL(SEE INGREDIENTS 2,3 AND 4)

Fraction by Wt: 70-80%

Other REC Limits:NONE RECOMMENDED

Ingred Name:NICKEL (SARA 313) (CERCLA)

CAS:744

0-02-0
RTECS #:QR5950000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9596

Ingred Name:CHROMIUM (SARA 313) (CERCLA)
CAS:7440-47-3
RTECS #:GB4200000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Other REC Limits:NONE RECOMMENDED

Ingred Name:CARBON MONOFLUORIDE
CAS:51311-17-2
Fraction by Wt: 6-12%
Other REC Limits:NONE RECOMMENDED

Ingred Name:PROPYLENE CARB
ONATE
CAS:108-32-7
RTECS #:FF9650000
Fraction by Wt: 2-6%
Other REC Limits:NONE RECOMMENDED

Ingred Name:POLYPROPYLENE
CAS:9003-07-0
RTECS #:TR5000000
Fraction by Wt: 2-6%
Other REC Limits:NONE RECOMMENDED

Ingred Name:DIMETHOXYETHANE
CAS:110-71-4
RTECS #:KI1451000
Fraction by Wt: 2-4%
Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM METAL
CAS:7439-93-2
RTECS #:OJ5540000
Fraction by Wt: 1-3%
Other REC Limits:NONE RECOMMENDED

==== Hazards Identification =====

=====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:NO HAZARDS IN NORMAL USE.IN FIRE SITUATION,CELLS MAY RELEASE FLAMMABLE OR WATER-REACTIVE MATERIALS.SWALLOWING BATTERIES MAY BE HARMFUL.
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.
Effects of Overexposure:SPILLED BATTERY CONTENTS MAY CAUSE BURNS OR IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.CALL THE NATIONAL CAPITAL POISON CENTER,WASHINGTON,D.C. AT 202-625-3333(COLLECT).

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

Flash Point Method:OC
Flash Point:NONE
Extinguishing Media:GRAPHITE,LITH-X,METAL-X.DO NOT USE WATER ON RUPTURED BATTERIES.
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard:CELLS MAY RUPTURE WHEN EXPOSED TO HEAT;FLAMMABLE MATERIALS MAY BE RELEASED.LITHIUM REACTS VIOLENTLY WITH WATER.

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

Spill Release Procedures:BATTERIES ARE A DRY SOLID AND CAN BE HANDLED EASILY WITH SHOVELS OR SIMILAR EQUIPMENT.WHEN ACCUMULATING LARGE QUANTITIES OF UNCHARGED BATTERIES FOR DISPOSAL,PACK IN NON-CONDUCTIVE,INSULATING MATERIAL.
Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.DO NOT RECHARGE.
Other Precautions:DO NOT SHIP,STORE OR PACK BATTERIES TOGETHER;

THIS
COULD RESULT IN SHORTING,HEAT BUILD-UP AND IGNITION OF ADJACENT
COMBUSTIBLE MATERIALS.

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

Respiratory Protection:USE A SELF-CONTAINED BREATHING APPARATUS IN CASE
OF FIRE.

Ventilation:NOT NEEDED IN NORMAL SERVICE.

Protective Gloves:NOT NEEDED IN NORMAL SERVICE.

Eye Protection:NOT NEEDED IN NORMAL SERVICE.

Other Protective Equipment:NOT NEEDED IN NORMAL SERVICE.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLI
NG THIS

PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health
NONE

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

HCC:N1

Appearance and Odor:RECTANGULAR BATTERY WITH ROUNDED CORNERS.

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:HIGH HEAT,SHORTING.

Hazardous Decomposition Products:LITHIUM METAL.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND
LOCAL REGULATIONS.FOR REFERENCES ON COMMERCIALY OFFERED SERVICES,
CALL 608-275-4856.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclai

ms all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.