

RAYOVAC CORP -- BR2325 LITHIUM CARBON MONOFLUORIDE BUTTON CELLS, ALL SIZES --
6135-01-186-4010

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

Product ID:BR2325 LITHIUM CARBON MONOFLUORIDE BUTTON CELLS, ALL SIZES

MSDS Date:03/15/1994

FSC:6135

NIIN:01-186-4010

MSDS Number: BZNTN

=== 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 608-275-4992

Emergency Phone Num:608-275-4856/4783

Preparer's Name:MARSHEL L. BEASON,JR.

CAGE:77542

=== Contractor Identification ===

Company Name:JAY'S LTD INC, DBA PARTS SOURCE LTD

Box:UNKNOW

CAGE:0Y6M3

Company Name:PRO BATTERY CO INC

Address:3941 OAKCLIFF INDUSTRIAL CT

Box:City:ATLANTA

State:GA

ZIP:30340-3408

Country:US

Phone:770-449-5900

CAGE:5X783

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 (INCLUDES INGREDs #2, 3, 4)
Fraction by Wt: 70-80%
Other REC Limits:NONE RECOMMENDED

Ingred Name:NICKEL (SARA 313) (CERCLA)
CAS:7440-02-0
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:2439-89-6
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 CARBONATE
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 (1,2)
CAS:110-71-4
RTE

CS #:KI1451000
Fraction by Wt: 2-4%
Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM
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:NONE UNDER NORMAL USE. IN FIRE
SITUATION CELLS MAY RELEASE FLAMM OR WATER-REACTIVE MATLS.
Explanation of Car
cinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.
Effects of Overexposure:NONE UNDER NORMAL USE. IN FIRE SITUATION CELLS
MAY RELEASE FLAMMABLE OR WATER-REACTIVE MATLS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IN CASE OF INGESTION CONTACT THE NAT CAPITAL POISON CENTER,
WASHINGTON DC @ 202-625-333. CALL COLLECT.

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

Flash Point Method:OC
Extinguishing Media:GRAPHITE; METAL-X; LITH-X.
Fire Fighting Procedures:IN BULK STORAGE AREAS WEAR SCBA TO AVOID INHAL
OF HAZ COMBUST BYPROD.LIQUID ELECTROLYTE IF RELEASED FLAMM.DO NOT
USE WATER;LITHIUM RXS VIOLENTLY W/WATER/MOISTUR
Unusual Fire/Explosion Hazard:LIKE ANY SEALED CONTAINER BATTERY CELLS
MAY RUPTURE WHEN EXPOSED TO EXCESSVIE HEAT;THIS COULD RESULT IN
RELEASE OF FLAMMABLE MATLS.

=====

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

Spill Release Procedures:BATTERIES ARE DRY SOLID & CAN BE HANDLED EASILY W/SHOVELS OR SIMILAR EQPMT. WHEN ACCUMULATING LG QUANTITIES OF UNDISCHARGED BATTERIES FOR DISPOSAL, PACK IN NON-CONDUCTIVE, INSULATING MATL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN DRY PLACE.DON'T RECHARGE.SARA: NOTIFICATION NOT REQUIRED-PROD ARE ARTICLES THAT

DON'T RELEASE A COVERED TOX CHEM UNDER NORM CONDITION PROC/US Other Precautions:PER MSDS:WE WOULD LIKE TO INFOR OUR CUSTOMERS THAT THESE BATTERIES ARE EXEMPT ARTICLES & ARE NOT SUBJ TO 29CFR 1910.1200 OSHA REQMT & THE SHEETS ARE SUPPLIED AS A SERVICE TO YOU.

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

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

Other Protective Equipmen

t:NONE UNDER NORMAL USE.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

DISPO:AVAILABLE SUCH AS INCINERATION.FOR REFS ON POSSIBLE COMMERCIALY OFFERED SERVICES CALL 608-275-4856.HMIS(LEVIEN) REVIEWED THIS RECORD ON 12MAY97;I NOTICED THAT THE INGREDIENTS INCLUDE CHROMIUM;NOTE THAT CR+6 IS CARCINOGENIC BY NTP AND IARC.

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

HCC:N1

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:DON'T PACK/STORE/SHIP UNPACKED BATT TOGETHER.THIS COULD RESULT IN CELL SHORTING/HEAT BUILDUP/IGN OF COMBUST ADJACENT MAT

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

Waste Disposal Methods:WHEN COMPLETELY DISCHARGED IN CONDUCTIVE SOLID MEDIUM SUCH AS GRAPHITE FOR 2WKS WIS DEPT OF NAT RESOURCES HAS DECLARED THIS TYP OF LITHIUM CEL EPA NON-HAZ.DISPO OF ACCORDING TO

APPROPRIATE LOC/ STATE/ FED WASTE REGS.VAR METHOS OF TREATMENT ARE
(SUPPLE

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
disclaims 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.