

ULTRALIFE BATTERIES INC -- HIGH RATE LITHIUM MANGANESE DIOXIDE CELLS/BATTERIES --
6135-01-407-8252

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

Product ID:HIGH RATE LITHIUM MANGANESE DIOXIDE CELLS/BATTERIES
MSDS Date:02/07/1995
FSC:6135
NIIN:01-407-8252
MSDS Number: CBTKK
=== Responsible Party ===
Company Name:ULTRALIFE BATTERIES INC
Address:1350 RT 88 S
Box:622
City:NEWARK
State:NY
ZIP:14513
Country:US
Info Phone Num:315-332-7100
Emergency Phone Num:315-332-7100
CAGE:0
UU59

=== Contractor Identification ===

Company Name:BATTERY OUTLET OF HAMPTON INC
Address:2815 GEORGE WASHINGTON HWY
Box:City:TABB
State:VA
ZIP:23602
Country:US
Phone:804-867-8280
CAGE:0FTM0
Company Name:ULTRALIFE BATTERIES INC
Address:2000 TECHNOLOGY PARKWAY
Box:City:NEWARK
State:NY
ZIP:14513
Country:US
Phone:800-424-9300
CAGE:0UU59

===== Composition/Information on Ingredients =====

Ingred Name:LITHIUM (LI)
CAS:7439-93-2
RTECS #:OJ5540000
Other REC Limits:NONE RECOMMENDED

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ingred Name:MANGANESE DIOXIDE (MNO2)
CAS:1313-13-9
RTECS #:OP0350000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG MN/M3 CEILING
ACGIH TLV:5 MG MN/M3

Ingred Name:PROPYLENE CARBONATE (C3H6CO3)
CAS:108-32-7
RTECS #:FF9650000
Other REC Limits:NONE RECOMMENDED

Ingred Name:1,2-DIMETHOXYETHANE (CH3OCH2CH2OCH3)
CAS:110-71-4
RTECS #:KI1451000
Other REC Limits:NONE RECOMMENDED

Ingred Name:TETRAHYDROFURAN (CERCLA) (C4H8O)
CAS:109-99-9
RTECS #:LU5950000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PP
M
ACGIH TLV:200 PPM/250STEL;9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:LITHIUM PERCHLORATE (LICLO4)
CAS:7791-03-9
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:LI:HIGHLY FLAMM/CORR.RXS VIGOROUSLY
W/WATER EMTTNG FLAMM GAS.MN02:TOX,IRRIT,OXIDZING AGENT,HARMFUL BY
INGEST.PROPYLENE
CARBONATE:CLEAR COLORLESS LIQ,MAY BE HARMFUL IF
INHAL,INJECT,SKIN ABSORPTION.CAU SE EYE IRRIT,SKIN
IRRIT.1,2-DIMETHOXYEHTANE:HIGHLY FLAMM COLORLESS LIQ,HARMFUL BY
INHAL,INGEST,SKIN ABSORPT (SIGN/SYMPT)
Effects of Overexposure:HEALTH HAZ:TETRAHYDROFURAN:FLAMM COLORLESS LIQ
W/CHARACTERISTIC ODOR.HARMFUL BY INGEST,INHAL,SKIN CONTACT CAUSING
HEAD,DIZZ,NAU.LITHIUM PERCHOORATE:COLORLESS SOLID,HARMFUL/IRRIT IF
INGEST,IRRIT SKIN/E YE/RESP SYS.EXPLO IN CONTACT W/COMBUSTIBLE
MA

TL.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SHOULD LIQ ELECTROLYTE COME INTO DIRECT CONTACT W/SKIN IT
SHOULD BE REMOVED BY FLUSHING W/WARM SOAPY WATER.

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

Flash Point:NP
Autoignition Temp:Autoignition Temp Text:NP
Lower Limits:NP
Upper Limits:NP
Extinguishing Media:DRY POWDER EXT BASED ON GRAPHITE(LITH-X)/OTHER
SU
ITABLE EXT DESIGNED FOR ALKALI METAL FIRE FIRES.DON'T USE
H2O/CO2/HALON
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:IN EVENT OF CELL LEAKING IT SHOULD BE
CAREFULLY ISOLATED FROM ANY OTHER CELLS/PLACED INSIDE POLYETHENE
BAG.ULTRALIFE BATT SHOULD BE CONTACTED FOR ADVICE ON DISPO.LEADAGE
OCCURS FROM CELL WHILST CONN
EC TED TO PRINTED CIRCUIT BOARD IT
SHOULD BE (SUPP)
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PROD SHOULDN'T BE OPEN/INCINER SINCE
CONTAINS INGREDs THAT WOULD BE EXPO COULD BE HARMFUL.STORE IN WELL
VENTI DRY AREA @TEMP