

ULTRALIFE BATTERIES INC -- ULTRALIFE LITHIUM POWER CELL,U9VL -- 6135-01-369-9792
===== Product Identification =====

Product ID:ULTRALIFE LITHIUM POWER CELL,U9VL

MSDS Date:12/20/1994

FSC:6135

NIIN:01-369-9792

MSDS Number: BTKYH

=== Responsible Party ===

Company Name:ULTRALIFE BATTERIES INC

Address:1350 RT 88 SOUTH

Box:622

City:NEWARK

State:NY

ZIP:14513

Country:US

Info Phone Num:315-332-7100

Emerge

ncy Phone Num:315-332-7100 800-332-5000

CAGE:0UU59

=== Contractor Identification ===

Company Name:BATTERY OUTLET INC

Address:1608 CAMPOSTELLA RD

Box:City:CHESAPEAKE

State:VA

ZIP:23324

Country:US

Phone:757-545-4442

CAGE:0FGN2

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 METAL

CAS:7439-93-2

RTECS #:OJ5540000

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raction by Wt: 2-3%
Other REC Limits:NONE SPECIFIED

Ingred Name:PROPYLENE CARBONATE
CAS:108-32-7
Fraction by Wt: 7-8%
Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM HEXAFLUOROARSENATE(V)
CAS:29935-35-1
Fraction by Wt: 2-3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.01 MG/M3 ARSENIC
ACGIH TLV:0.2 MG/M3 ARSENIC

Ingred Name:1,3-DIOXOLANE
CAS:646-06-0
Fraction by Wt: 6-7%
Other REC Limits:NONE RECOMMENDED

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

Routes of En

try: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:THESE BATTERIES ARE CLASSIFIED AS
ARTICLES. THEY ARE NON-HAZARDOUS UNLESS THE INTEGRITY OF THE
BATTERY IS COMPROMISED, OR IF THE BATTERY IS PHYSICALLY OR
ELECTRICALLY ABUSED. THE SUBSTANCE AND VAPORS ARE CORROSIVE TO
SKIN AND MUCOUS MEMBRANES. KEEP BATTERIES DRY, LITHIUM REACTS
VIOLENTLY WITH WATER.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO
CONSITIUENTS

CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN:ELECTROLYTE-WASH WITH WATER.GET MEDICAL ATTENTION IF
SYMPTOMS ARE PRESENT.LITHIUM METAL-REMOVE PARTICLES AS SOON AS
POSSIBLE.GET MEDICAL ATTENTION.EYES:FLUSH WITH WATER FOR 15
MINUTES.GET MEDICAL ATTEN

TION.INHAL:UNLIKELY ROUTE OF
EXPOSURE.INGEST:GET PROMPT MEDICAL ATTENTION.

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

Extinguishing Media:USE COLD WATER.DO NOT USE WARM OR HOT
WATER,CO*2,HALON.USE LITH-X(CLASS D) FOR FEW # OF CELLS.
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:DRY CHEMICAL EXTINGUISHANT HAS LIMITED
EFFECTIVENESS.MAY LEAK HAZARDOUS VAPORS.MAY EJECT SOLID

LITHIUM.FLASHBACK HAZARD FROM DENSE VAPORS.

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

Spill Release Procedures:UNDAMAGED BATTERIES MAY BE PICKED UP FOR
REUSE. FOR DAMAGED BATTERIES WEAR RUBBER GLOVES AND SAVE IN PLASTIC
BAGS FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID HEATING, MECHANICAL ABUSE THAT
MAY PRODUCE VENTING, ELECTRICAL ABUSE SUCH AS RECHARGING, VOLTAGE
REVERSAL, AND/OR SHORT-CIRCUITING.

Other Precautions:DO NOT REMOVE OR BYPASS PROTECTIVE ELECTRICAL OR
THERMAL FUSES. STORE BELOW 70F IN A DRY AREA.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH APPROVED SELF-
CONTAINED BREATHING APPARATUS IF BATTERIES ARE RUPTURED.

Ventilation:IN THE EVENT OF VENTS, PROVIDE THE MAXIMUM AMOUNT OF
VENTILATION POSSIBLE.

Protective

Gloves:IMPERVIOUS GLOVES FOR RUPTURED BATTERIES

Eye Protection:SAFETY GLASSES FOR RUPTURED BATTERIES

Other Protective Equipment:IMPERVIOUS CLOTHING.PROVIDE A LOCAL EYE WASH
STATION.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS
PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

NEVER DISASSEMBLE, RECHARGE OR SHORT CIRCUIT BATTERIES.

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

HCC:N1

Appearance and Odor:9 VOLT BATTERY

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

Stability Indicator/Materials to Avoid: YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid: DO NOT PUNCTURE, DISASSEMBLE OR OPEN BATTERIES.

Hazardous Decomposition Products: UNIDENTIFIED BY MANUFACTURER.

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

Waste Disposal Methods: CELLS ARE CONSIDERED TO BE A HAZARDOUS WASTE DUE TO REACTIVITY. LAND DISPOSAL IS PROHIBITED UNLESS CELLS ARE TREATED

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SO AS TO RENDER THEM NON-REACTIVE. DISPOSE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

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