

DURACELL USA -- LITHIUM/MANGANESE DIOXIDE BATTERY,DL 1/3 N -- 6135-01-398-5922

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Product Identification  
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Product ID:LITHIUM/MANGANESE DIOXIDE BATTERY,DL 1/3 N

MSDS Date:10/26/1992

FSC:6135

NIIN:01-398-5922

MSDS Number: BXC DR

=== Responsible Party ===

Company Name:DURACELL USA

Address:305 NEW HIGHWAY 64 EAST

City:LEXINGTON

State:NC

ZIP:27292

Country:US

Info Phone Num:203-796-4575/4682

Eme

Agency Phone Num:203-796-4575/4682

CAGE:DO224

=== 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:DURACELL INC TECHNICAL SALES AND MARKETING GROUP

Address:BERKSHIRE CORPORATE PARK

Box:City:BETHEL

State:CT

ZIP:06801

Country:US

Phone:203-796-4000

CAGE:90303

Company Name:DURACELL USA

Address:305 NEW HIGHWAY 64 E

City:LEXINGTON

State:NC

ZIP:27292

Phone:(617)449-7600

CAGE:DO224  
Company Name:DURACELL USA (ALIAS BATTERY TECHNOLOGY COMPANY)  
Address:305 NEW HIGHWAY 64 EAST  
Box:City:LEXINGTON  
State:NC  
ZIP:27292-2037  
Country:US  
Phone:617-449-7600  
CAGE:2A917

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Composition/Information on Ingredients  
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Ingred Name:LITHIUM METAL (0.06 G)  
CAS:7439-93-2  
RTECS #:OJ5540000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:MANGANESE DIOXIDE (0.67 G)  
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:CARBON BLACK (0.04 G)  
CAS:1333-86-4  
RTECS #:FF5800000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:3.5 MG/M3  
ACGIH TLV:3.5 MG/M3; 9495

Ingred Name:TEFLON (0.04 G)  
Other REC Limits:NONE RECOMMENDED

Ingred Name:PROPYLENE CARBONATE (0.08 G)  
CAS:108-32-7  
RTECS #:FF9650000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ETHYLENE CARBONATE (0.04 G)  
Other REC Limits:NONE RECOMMENDED

Ingred Name:DIMETHOXY ETHER (0.20 G)  
Other REC Limits:3 PPM INDUSTRY STD

Ingred Name:LITHIU

M TRIFLUOROMETHANE SULFONATE (0.05 G)

CAS:33454-82-9

Other REC Limits:0.1 MG/M3 3M

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT RELEVANT.

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:RISK OF EXPOSURE OCCURS ONLY IF CELL IS MECHANICALLY, PHYSICALLY/ELECTRICALLY ABUSED. TARGET ORGANS:EYES, SKIN, RESPIRATORY TRACT. ACUTE- MAY CAUS

E EYES AND

SKIN IRRITATION. LITHIUM CAN CAUSE THERMAL AND CHEMICAL BURNS UPON CONTACT WITH THE SKIN. MAY BE HARMFUL IF INGESTED OR INHALED. CHRONIC- NOT KNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:RISK OF EXPOSURE OCCURS ONLY IF CELL IS MECHANICALLY, PHYSICALLY OR ELECTRICALLY ABUSED. IF CELL IS LEAKING: EYES, SKIN AND RESPIRATORY TRACT IRRITATION, THERMAL AND CHEMICAL BURNS

Medical Cond Aggravated by Exposure:NONE

===== First Aid

Measures =====

First Aid:EMPLOYEE BREATHING VAPORS FROM VENTING CELL SHOULD BE REMOVED TO FRESH AIR. ANY SKIN, EYE OR MUCOUS MEMBRANE CONTACT WITH ELECTROLYTE SHOULD BE FOLLOWED BY FLUSHING WITH LARGE AMOUNT OF WATER. IN CASE OF EYE CONTACT, CONSULT PHYSICIAN. INGESTION IS UNLIKELY. HOWEVER, CALL PHYSICIAN, IF OCCURED.

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

Flash Point:NOT RELEVANT

Extinguishing Media:WATER

Fire Fighting Proce

dures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED

SELF-CONTAINED BREATHING APPARATUS OPERATED IN THE POSITIVE PRESSURE MODE. RAPIDLY COOL BATTERIES WITH WATER.

Unusual Fire/Explosion Hazard:TOXIC FUMES MAY BE FORMED.

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

Spill Release Procedures:IF CELL VENTS OR IS PUNCTURED, VENTILATE AREA WELL. WEAR EYE AND SKIN PROTECTION. RESPIRATORY PROTECTION MAY BE NECESSARY IN CONFINED SPACES. ABSORB LIQUID WITH SUITABLE MA

TERIAL

SUCH AS SAND OR CLAY. TRANSFER TO CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE. AVOID MECHANICAL, PHYSICAL OR ELECTRICAL ABUSE. DO NOT SHORT OR INSTALL WITH INCORRECT POLARITY.

Other Precautions:DO NOT INCINERATE. DO NOT TOUCH BROKEN OR LEAKING BATTERIES. DO NOT ATTEMPT TO RECHARGE. DO NOT CARRY BATTERIES LOOSE IN POCKET OR B

AG. KEEP BATTERIES AWAY FROM SMALL CHILDREN.

BATTERIES MAY EXPLODE/VENT IF DISASSEMBLED, CRUSHED/IN FIRE.

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

Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN CELLS ARE INVOLVED IN A FIRE OR LEAKING IN CONFINED SPACES. FOR SPILL, USE FULL-FACE RESPIRATOR WITH PARTICULATE/ORGANIC CARTRIDGE.

Ventilation:ADEQUATE

Protective Gloves:BUTYL IF HANDLING LEAKERS

Eye Protection:SAFETY GLASSES

WHEN HANDLING LEAKERS

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:Z6

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:NOT RELEVANT

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NOT RELEVANT

Appearance and Odor:BATTERY

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

Stability Condition to Avoid: HEAT, RECHARGING, SHORT CIRCUITS,  
DISASSEMBLING

Hazardous Decomposition Products: TOXIC FUMES MAY BE FORMED.

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

Waste Disposal Methods: DISCHARGED CELLS MAY CONTAIN SIGNIFICANT AMOUNT  
OF ENERGY AND SHOULD BE HANDLED WITH CARE. THEY SHOULD BE  
ELECTRICALLY ISOLATED AND PACKED FOR DISPOSAL. DO NOT COMP  
ACT.

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS.

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