

DURACELL USA -- LITHIUM/MANGANESE DIOXIDE BATTERY -- 6135-01-271-7151

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Product Identification
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Product ID:LITHIUM/MANGANESE DIOXIDE BATTERY

MSDS Date:10/26/1992

FSC:6135

NIIN:01-271-7151

MSDS Number: BRPHH

=== Responsible Party ===

Company Name:DURACELL USA

Address:305 NEW HIGHWAY 64 EAST

City:LEXINGTON

State:NC

ZIP:27292-2037

Country:US

Info Phone Num:203-796-4292

Emergency Phone Num:6

17-449-7600

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 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 HYDRIDE (SARA III)

CAS:7580-67-8

RTECS #:OJ6300000

Fraction by Wt: 0.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.025 MG/M3

ACGIH TLV:0.025 MG/M3; 9293

Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 5.6%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 CEILING

ACGIH TLV:5 MG/M3 (AS MN DUST)

Ingred Name:CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000

Fraction by Wt: 0.4%

Other

REC Limits:NONE RECOMMENDED

OSHA PEL:3.5 MG/M3

ACGIH TLV:3.5 MG/M3; 9293

Ingred Name:TEFLON (TETRAFLUORO ETHYLENE POLYMER)

CAS:116-14-3

RTECS #:KX4025000

Fraction by Wt: 0.2%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST

Ingred Name:PROPYLENE CARBONATE

CAS:108-32-7

RTECS #:FF9650000

Fraction by Wt: 0.25%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ETHYLENE CARBONATE

Fraction by Wt: 0.25%

Other REC Limits:NONE RECOMMENDED

Ingred Name:DIMETHOXY ETHER

Frac

tion by Wt: 1.2%

Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM TRIFLUOROMETHANE SULFONATE

Fraction by Wt: 0.1%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:THESE CHEMICALS ARE CONTAINED IN A

SEALED CAN. RISK OF EXPOSURE OCCURS ONLY IF

THE BATTERY IS

MECHANICALLY OR ELECTRICALLY ABUSED. THE MOST LIKELY RISK IS ACUTE EXPOSURE WHEN A CELL VENTS. THIS MAY CAUSE MILD IRRITATION TO EYES AND SKIN UPON CONTACT. CONTACT OF ELECTROLYTE AND EXTRUDED LITHIUM SHOULD BE AVOIDED.

Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.

Effects of Overexposure:IRRITATION OF SKIN OR EYES. LITHIUM CAN CAUSE THERMAL AND CHEMICAL BURNS UPON CONTACT WITH THE SKIN.

Medical Cond Aggravated by Exposure:AN ACUTE EXPOSURE W

ILL NOT

GENERALLY AGGRAVATE ANY MEDICAL CONDITION.

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

First Aid:IN CASE OF SKIN CONTACT WITH CONTENTS OF BATTERY, FLUSH IMMEDIATELY WITH WATER. FOR EYE CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES. DO NOT INHALE VENTED MATERIAL. IF IRRITATION PERSISTS, GET MEDICAL HELP.

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

Extinguishing Media:WATER

Fire Fighting Procedures:THE PRE

FERRED PROCEDURE IS TO RAPIDLY COOL THE

BATTERIES AND ADJACENT STRUCTURES WITH WATER.

Unusual Fire/Explosion Hazard:CELLS CAN VENT WHEN SUBJECTED TO

EXCESSIVE HEAT. WHEN LARGE NUMBERS OF CELLS ARE INVOLVED IN A FIRE, FIRE FIGHTERS SHOULD USE SCBA.

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

Spill Release Procedures:THE PREFERRED RESPONSE IS TO LEAVE THE AREA AND ALLOW BATTERIES TO COOL AND VAPORS TO DISSIPATE. AVOID SKIN AND EYE CONTACT OR INHALATION

OF VAPORS. REMOVE SPILLED LIQUID WITH
ABSORBENT AND INCINERATE . WEAR FULL-FACE RESPIRATOR.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID MECHANICAL, PHYSICAL OR
ELECTRICAL ABUSE.
Other Precautions:BATTERIES MAY EXPLODE, PYROLIZE, OR VENT IF
DISASSEMBLED, CRUSHED, RECHARGED OR EXPOSED TO FIRE OR HIGH
TEMPERATURE. DO NOT SHORT OR INSTALL WITH INCORRECT POLARITY.

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

Respiratory Protection:SCBA (FIRE); FULL-FACE RESPIRATOR WITH
PARTICULATE/ORGANIC CARTRIDGE (SPILL).
Ventilation:IN CASE OF VENTING, PROVIDE AS MUCH VENTILATION AS
POSSIBLE.
Protective Gloves:BUTYL
Eye Protection:SAFETY GLASSES
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
NONE

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===== Physical/Chemical Propertie
s =====

HCC:N1
Appearance and Odor:LITHIUM IS A SOLF, SILVERY METAL. MANANESE
DIOXIDE/CARBON BLACK ARE BLACK POWDE

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid:DO NOT HEAT, DISASSEMBLE, OR RECHARGE
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Meth

ods:DISPOSE IN ACCORDANCE WITH APPROPRIATE
REGULATIONS AND WITH THE RECOMMENDATIONS OF DURACELL. OPEN CELLS
SHOULD BE TREATED AS HAZARDOUS WASTE.

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