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DURACELL INC -- DURACELL LITHIUM MANGANESE DIOXIDE BATTERIES DL1/3N

6135-01-398-5922

Product ID:DURACELL LITHIUM MANGANESE DIOXIDE BATTERIES DL1/3N

MSDS Date:03/23/1999

FSC:6135

NIIN:01-398-5922

Status Code:A

MSDS Number: CJJRR === Responsible Party ===

Company Name: DURACELL INC

Address:BERKSHIRE CORPORATE PARK

City:BETHEL State:CT

ZIP:06801 Country:US

Info P

hone Num:301-590-9781

Emergency Phone Num:301-590-9781

Resp. Party Other MSDS Num.:MSDS-4 GMEL# 1367

Chemtrec Ind/Phone:(800)424-9300

CAGE:90303

=== 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

Contract Num: SP0400-99-A-AC13-0168

CAGE:0FTM0

Company Name: DURACELL INC TECHNICAL SALES AND MARKETING GROUP

Address:BERKSHIRE CORPORATE PARK

Box:City:BETHEL

State:CT ZIP:06801

Co

untry:US

Phone:203-796-4000

CAGE:90303

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

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

Ingred Name: MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Minumum % Wt:60.

Maxumum % Wt:65.

OSHA PEL:C5 MG/M3

ACGIH TLV:5 MG/M3

Ingred Name:1,2-DIMETHOXYETHANE

CAS:110-71-4

RTECS #:KI1451000

Minumum % Wt:15.

Maxumum % Wt:20.

Ingred Name:PROPYLENE CARBONATE

CAS:108-32-7

RTECS #:FF9650000

Minumum % Wt:5.

Maxumum % Wt:10.

Ingred Name:LITHIUM

CAS:7439-93-2

RTECS #:OJ5540000

Minumum % Wt:1.

Maxumum % Wt:5.

Ingred Name:LITHIUM TRIFLUOROMETHANE SULFONATE

CAS:33454-82-9 Minumum % Wt:1.

Maxumum % Wt:5.

Ingred Name: ETHYLENE CARBONATE

CAS:96-49-1

RTECS #:FF9550000

Minumum % Wt:1.

Maxumum % Wt:5.

Ingred Name: CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000

Minumum % Wt:1.

Maxumum % Wt:5.

OSHA PEL:3.5 MG/M3

ACG

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

Health Hazards Acute and Chronic:CHEMICALS & METALS ARE CONTAINED IN A SEALED CAN. EXPOSURE EXISTS WHEN THE BATTERY IS EXPOSED TO HIGH TEMPERATURE, IS ACCIDENTALLY SWALLOWED OR IS MECHANICALLY, PHYSICALLY, OR ELECTRICALLY ABUSED. INH ALATION:NOT ANTICIPATED. IRRITATION IF FUMES ARE RELEASED. INGESTION:IRRITATION TO THE INTERNAL/EXTERNA

L MOUTH AREAS MAY OCCUR IF BATTERY IS LEAKING.
SWALLOWED BATTERY CAN CAUSE DAMAGE S SOON AS 4-6 H OURS AFTER INGESTION. SKIN:IRRITATION FROM LEAKING BATTERY. ABSORPTION NOT ANTICIPATED. EYES:IRRITATION FROM LEAKING BATTERY.

First Aid:FIRST AID FOR EYES, SKIN, & INHALATION NOT ANTICIPATED UNLESS BATTERY IS LEAKING. EYES:FLUSH W/ COPIOUS AMOUNTS OF CLEAR, TEPID WATER FOR 30 MIN. CONSULT PHYSICIAN AT ONCE. SK

## **IN:IRRIGATE EXPOSED**

SKIN WITH COPIOUS AMOUNTS OF CLEAR, TEPID WATER FOR LEAST 15 MIN. IF IRRITATION, INJURY OR PAIN PERSISTS, CONSULT A PHYSICIAN. INHALATION:REMOVE TO FRESH AIR. CONTACT PHYSICIAN IF IRRITATION PERSISTS. INGE STION:CONSULT A PHYSICIAN. REMOVAL FROM THE ESPHAGUS SHOULD BE DONE ENDOSCOPICALLY. BATTERIES BEYOND THE ESOPHAGUS NEED NOT BE RETRIEVED UNLESS THERE ARE SIGNS OF INJURY TO THE GI TRACT OR A LARGE DIA METER BATTERY FAILS TO PASS THE PYLORUS.

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| ======================================= |  |

Flash Point Method:CC Flash Point:=6.C, 42.7F DIMETHOXETHANE

Extinguishing Media: AS PER SURROUNDING AREA. DRY CHEMICAL, ALCOHOL FOAM, WATER OR CARBON DIOXIDE. FOR INCIPIENT FIRES, CARBON DIOXIDE EXTINGUISHERS ARE MORE EFFECTIVE THAN WATER.

Fire Fighting Procedures: COOL FIRE EXPOSED BATTERIES AND ADJACENT STRUCTURES WITH WATER SPRAY FROM A DISTANCE. USE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

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| Spill Release Procedures:NOTIFY SAFETY PERSONNEL OF LARGE SPILLS. EVACUATE THE AREA & ALLOW VAPORS TO DISSIPATE. INCREASE VENTILATION. AVOID EYE OR SKIN CONTACT. DO NOT INHALE VAPORS. CLEAN-UP PERSONNEL SHOULD WEAR APPROPRIAT E PROTECTIVE GEAR. REMOVE SPILLED LIQUID WITH ABSORBENT & CONTAIN FOR DISPOSAL.  |
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| ============ Handling and Storage =============  |
| Handling and Storage Precautions:STORE AT ROOM TECMPERATURE. AVOID MECHANICAL OR ELECTRICAL ABUSE. DO NOT SHORT OR INSTALL INCORRECTLY. BATTERIES MAY EXPLODE, PYROLIZE OR VENT IF DISASSEMBLED, CRUSHED, RECHARGED OR EXPOSED TO HIGH TE MPERATURES. Other Precautions:INSTALL BATTERIES IN ACCORDANCE WITH EQUIPMENT INSTRUCTIONS. REPLACE ALL BATTERIES IN EQUIPMENT AT THE SAME TIME. DO NOT CARRY BATTERIES LOOSE IN POCKET OR BAG. |
| ====== Exposure Controls/Personal Protection ========  |
| Respiratory Protection:NON E UNDER NORMAL USE CONDITIONS. Ventilation:GENERAL VENTILATION UNDER NORMAL USE CONDITIONS. Protective Gloves:BUTYL GLOVES WHEN HANDLING LEAKING BATTERIES Eye Protection:WEAR SAFETY GLASSES WHEN HANDLING LEADING BATTERIES. Supplemental Safety and Health KEEP BATTERIES AWAY FROM SMALL CHILDREN.  |
| ========= Physical/Chemical Properties ==========  |
| HCC:Z6 Evaporation Rate & Description (ETHER = 1) Appearance and Odor:SMALL CYLINDRICAL BATTERY. CONTENTS DARK IN COLOR.   |
| ======= Stability and Reactivity Data ==========   |
| Stability Indicator/Materials to Avoid:YES STRONG OXIDIZING AGENTS Stability Condition to Avoid:DO NOT HEAT,CRUSH,DISASSEMBLE,SHORT CIRCUIT OR RECHARGE Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY PRODUCE HAZARDOUS FUMES OF MANGANESE AND LITHIUM,HYDROFLUORIC ACID;OXIDES OF CARBON AND SULFUR AND OTHER TOXIC BY-PRODUCTS.   |
| ======= Disposal Considerations ===========  |
| Waste Disposal Methods:  |

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

NO SPECIAL PRECAUTIONS ARE REQIRED FOR SMALL
QUANTITIES. LARGE QUANTITIES OF OPEN BATTERIES SHOULD BE TREATED AS
HAZARDOUS WASTE. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, &
LOCAL REGULATIONS. DO NOT INCINERATE, SINCE BATTERIES MAY EXPLODE
AT EXCESSIVE TEMPERATURES.

======= MSDS Transport Information ==========

Transport Information: THESE BATTERIES ARE NOT REGULATED BY U.S. DOT OR INTERNATIONAL AGENCIES AS HAZARDOUS MATERIALS OR DANGEROUS GOODS

WHEN SHIPPED.

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