View NSN Online: https://aerobasegroup.com/nsn/6135-01-383-0151

DURACELL INC TECHNICAL SALES AND MARKETING GROUP -- DURACELL LITHIUM MANGANESE DIOXIDE BATTERIES -- 6135-01-383-0151

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

Product ID:DURACELL LITHIUM MANGANESE DIOXIDE BATTERIES
MSDS Date:11/02/1993
FSC:6135
NIIN:01-383-0151
Status Code:A
MSDS Number: CJSMJ
=== Responsible Party ===
Company Name:DURACELL INC TECHNICAL SALES AND MARKETING GROUP
Address:BERKSHIRE COR
PORATE PARK
City:BETHEL
State:CT
ZIP:06801
Country:US
Info Phone Num:203-796-4000
Emergency Phone Num:301-590-9781
CAGE:90303
=== Contractor Identification ===
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

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

Ingred Name:MANGANESE DIOXIDE
CAS:1313-13-9
RTECS #:OP0350000
Minumum % Wt:65.
Maxumum % Wt:70.
O

SHA PEL:C5 MG/M3
ACGIH TLV:5 MG/M3

Ingred Name:1,2-DIMETHOXYETHANE
CAS:110-71-4
RTECS #:KI1451000
Minumum % Wt:10.
Maxumum % Wt:15.

Ingred Name:LITHIUM
CAS:7439-93-2
RTECS #:OJ5540000
Minumum % Wt:5.
Maxumum % Wt:10.

Ingred Name:PROPYLENE CARBONATE
CAS:108-32-7
RTECS #:FF9650000
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.
O
SHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3

Ingred Name:LITHIUM TRIFLUOROMETHANESULFONATE
CAS:33454-82-9
Minumum % Wt:1.
Maxumum % Wt:5.

Ingred Name:TEFLON
CAS:9002-84-0
RTECS #:KX4025000
= Wt:2.

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Health Hazards Acute and Chronic:THESE CHEMS & METALS ARE CONTAINED IN SEALED CAN.FOR CONSUMER USE,ADEQUATE HAZ WARNINGS ARE INCLUDED ON BOTH PKG & ON BATT.POTENTIAL FOR EXPO

SHOULD NOT EXIST UNLESS BATT
LEAKS,IS EXPO TO HIGH TEMP OR MECHANICALLY,PHYSICALLY,ELECTRICALLY ABUSED.INHAL:NOT ANTICIPATED.RESP(&EYE)IRRIT MAY OCCUR IF FUMES RELEASED DUE TO HEAT/ABUNDANCE OF LEAK BATT.INGEST:IRRIT TO INTERNAL/EXTERNAL MOUTH AREA.SKIN:CONT ACT-IRRIT MAYOCCUR FOLLOWING EXPO TO LEAK BATT.ABSORPT-NOT ANTICIPATED. EYE-IRRIT MAY OCUR FOLLOWING EXP TO LEAK BATT.OTHER:NA.
Effects of Overexposure:CHEMS/METALS IN SEALED CAN.FOR CONSUMER USE,ADEQUATE HAZ WAR
NINGS ARE INCLUDED ON BOTH PKG & BATT.POTENTIAL
FOR EXPO SHOULD NOT EXIST UNLESS BATT LEAKS,IS EXPO TO HIGH TEMP OR IS MECHANICALLY,PHY,ELEC TR ABUSED.INHAL:RESP/EYE IRRIT.INGEST:IRRIT TO INTERNAL/EXTERNAL MOUTH AREA.SKIN:IRRIT.EYE:IRRIT.

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

First Aid:EYE-NOT ANTICIPATED.BATT LEAKING,MATL CONTACCT EYES FLUSH W/COPIOUS AMTS OF CLEAR TEPID H2O FOR 30MINS.CONTACT DR @ONCE.SKIN:NOT ANTICIPATED.BATT LEAKING IR
RIGATE EXPO SKIN
W/COPIOUS AMTS OF CLEAR TEP ID H2O FOR @LEAST 15MINS.IRRIT/INJURY/PAIN PERSISTS CONSULT DR. INHAL:NOT ANTICIPATED.BATT LEAKING CONTENTS MAY IRRIT RESP PASSAGES.REMOVE TO FRESH AIR.CONTACT DR IF IRRIT PERSISTS.INGEST:NOT ANTICIPA TED.RINSE MOUTH/SURROUNDING AREA W/ CLEAR TEPID H2O FOR @LEAST 15MINS.CONSULT DR IMMED FOR TREATMENT & TO RULE OUT INVOLVEMENT OF ESOPHAGUS & OTHER TISSUES.(SEE OTHER)

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

Flash Point Method:CC
Flash Point:=6.C, 42.8F
1,2-DIMETH=14%
Extinguishing Media:WATER
Fire Fighting Procedures:COOL FIRE-EXPOSED BATTERIES AND ADJACENT STRUCTURES WITH WATER SPRAY FROM A DISTANCE. USE SCBA AND FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:BATTERIES MAY BURST AND RELEASE HAZARDOUS DECOMPOSITION PRODUCTS WHEN EXPOSED TO A FIRE SITUATION. SEE REACTIVITY SECTION.

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

Spill Release P

rocedures:NOTIFY SAFETY PERSONNEL OF LARGE
SPILLS.EVACUATE AREA & ALLOW VAPORS TO DISSIPATE.INCR
VENTILATION.AVOID EYE/SKIN CONTACT.DONT INHAL VAPORS.CLEANUP
PERSONNEL SHOULD WEAR APPROPRIATE PROTECTIVE GEAR.RE MOVE SPILLED
LIQUID W/ABSORBENT & CONTAIN FOR DISPOSAL.

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

Handling and Storage Precautions:STORE @RM TEMP.AVOID
MECHANICAL/ELECTRICAL ABUSE.DONT SHORT OR INSTALL INCORRECTLY. BATT
MAY EXPLO/PYROLIZ
E/VENT IF DISASSEMBLE,CRUSH,RECHARGE,EXPO TO HIGH
TEMPS.INSTALL BATT IAW EQPMT INSTRUCT.DONT M IX BATT SYST(LIKE
ALKALINE & ZINC CARBON)IN SAME EQPMT. REPLACE ALL BATT IN EQPMT.
Other Precautions:NORMAL CLEANUP:NOT APPLICABLE.KEEP BATTERIES AWAY
FROM SMALL CHILDREN.WARNING SIGNALS: NOT APPLICABLE.

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

Respiratory Protection:NONE UNDER NORMAL USE CONDITIONS.
Ventilation:GENERAL VENTILATION UNDER NORMAL USE CONDITIONS.
P
rotective Gloves:NONE UNDER NORMAL USE CONDITIONS.USE BUTYL GLOVES
WHEN HNDLG LEAKING BATT.
Eye Protection:NONE UNDER NORMAL USE CONDITIONS.WEAR SAF GLASSES WHEN
HNDLG LEAKING BATT.
Supplemental Safety and Health

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

HCC:Z6
Evaporation Rate & Reference:N/A (ETHER=1)
Appearance and Odor:SMALL CYLINDRICAL BATTERIES. CONTENTS DARK IN
COLOR.

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

Stabili
ty Indicator/Materials to Avoid:YES
CONTENTS INCOMPATIBLE WITH STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:DO NOT HEAT, CRUSH, DISASSEMBLE, SHORT
CIRCUIT OR RECHARGE.
Hazardous Decomposition Products:THERMAL DEGRADATION MAY PRODUCE HAZ
FUMES OF MANGANESE AND LITHIUM;HYDROFLUORIC ACID; OXIDES OF CARBON
AND SULFUR AND OTHER TOXIC BY-PRODUCTS.

========== Toxicological Information ==========

Toxicological Information:8HR TWA:MANGANESE DIOXIDE(AS
MN)-5MG

/M3(CEILING)(OSHA);0.2MG/M3(ACGIH/DURACELL).1,2-DIMETHOXYETH
ANE 0.15PPM(DURACELL).CARBON BLACK 3.5MG/M3(OSHA/ACGIH).LITHIUM
TRIFLUOROMETHANE SULFONATE 0.1MG/M3(3M R ECOMMENDATION).THESE
LEVELS ARE NOT ANTICIPATED UNDER NORMAL CONSUMER USE CONDITIONS.

========== Ecological Information ==========

Ecological:THESE BATTERIES PASS THE US EPAS TOXICITY CHARACTERISTIC
LEACHING PROCEDURE AND THEREFORE MAY BE DISPOSED OF WITH NORMAL
WASTE.ALL INGREDIENTS LIS
TED IN TSCA INVENTORY.

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

Waste Disposal Methods:NO SPECIAL PRECAUTIONS ARE REQUIRED FOR SMALL
QUANTITIES.LARGE QUANTITIES OF OPN BATT SHOULD BE TREATED AS HAZ
WASTE.DISPOS OF IAW FED/STATE/LOC REGULATIONS.DONT INCINERATE,
SINCE BATT MAY EXPLODE @EX CESSIVE TEMPERATURES.THESE BATT PASS US
EPA TOXICITY CHARACTERISTIC LEACHING PROCEDURES & THEREFORE MAY BE
DISPO OF W/NORMAL WASTE.

========== MSDS Tra
nsport Information ==========

Transport Information:DOT HAZARD CLASS:NOT APPLICABLE. DOT SHIPPING
NAME:NOT APPLICABLE.

========== Regulatory Information ==========

Federal Regulatory Information:ALL INGREDIENTS LISTED IN TSCA
INVENTORY.

========== Other Information ==========

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of De
fense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.