

GILLETTE MEDICAL EVALUATION LABORATORIES -- DURACELL LITHIUM MANGANESE DIOXIDE BATTERIES -- 6135-01-383-0151

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

Product ID:DURACELL LITHIUM MANGANESE DIOXIDE BATTERIES

MSDS Date:03/23/1999

FSC:6135

NIIN:01-383-0151

Status Code:A

MSDS Number: CJSBP

=== Responsible Party ===

Company Name:GILLETTE MEDICAL EVALUATION LABORATORIES

Address:401 PROFESSIONAL DRIVE

City:GAI

THERSBURG

State:MD

ZIP:20879

Country:US

Info Phone Num:301-590-9781

Emergency Phone Num:301-590-9781

Resp. Party Other MSDS Num.:DL2/3A

CAGE:TO361

=== 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

Company Name:GILLETTE MEDICAL EVALUATION LABORATORIES

Address:401 PROFESSIONAL DRIVE

Box:City:GAITHERSBURG

State:MD

ZIP:20879

Country:US

Phone:301-

590-9781
CAGE:TO361
Company Name:MATHEWS ASSOCIATES INC
Address:645 HICKMAN CIRCLE
Box:City:SANFORD
State:FL
ZIP:32771
Country:US
Phone:407-323-3390
Contract Num:SP0430-99-D-5233-0001
CAGE:4U927

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===== Composition/Information on Ingredients =====
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Ingred Name:MANGANESE DIOXIDE
CAS:1313-13-9
RTECS #:OP0350000
Minumum % Wt:65.
Maxumum % Wt:75.
OSHA PEL:C5 MG/M3
ACGIH TLV:5 MG/M3

Ingred Name:1,2-DIMETHOXYETHANE
CAS:110-71-4
RTECS #:K11451000
Minumum % Wt:5.
Maxumum % Wt:10.

Ingr
ed Name:LITHIUM
CAS:7439-93-2
RTECS #:OJ5540000
Minumum % Wt:1.
Maxumum % Wt:5.

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.
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3

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

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===== Hazards Identification =====
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Health Hazards Acute and Chronic:CHEMICALS & METALS ARE CONTAINED IN A SEALED CAN. POTENTIAL FOR EXPOSURE SHOULD NOT EXIST UNLESS THE BATTERY LEAKS, IS EXPOSED TO HIGH TEMPERATURES OR IS MECHANICALLY, PHYSICALLY, OR ELECTRICALLY ABUS ED. INHALATION: NOT ANTICIPATED. RESPIRATORY IRRITATION MAY OCCUR IF FUMES ARE RELEASED DUE TO HEAT OR AN ABUNDANCE OF LEAKING BATTERIES. INGESTION: IRRITATION TO THE INTERNAL/EXTERNAL MOUTH AREA IF B ATTERY LEAKING. SKIN: IRRITATION MAY OCCUR FOLLOWING EXPOSURE TO A LEAKING BATTERY. EYES: IRRITATION MAY OCCUR FOLLOWING EXPOSURE TO A LEAKING BATTERY.
Medical Cond Aggravated by Exposure:

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===== First Aid Measures =====
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First Aid:EYES: IF BATTERY IS LEAKING & MATERIAL CONTACTS EYES, FLUSH WITH COPIOUS AMOUNTS OF CLEAR, TEPID WATER FOR 30 MIN. CONTACT A PHYSICIAN AT ONCE. SKIN: IF BATTERY IS LEAKING, IRRIGATE EXPOSED SKIN WIT H COPIOUS AMOUNTS OF CLEAR, TEPID WATER FOR AT LEAST 15 MIN. IF IRRITATION, INJURY OR PAIN PERSISTS, CONSULT A PHYSICIAN. INHALATION: IF BATTERY IS LEAKING, CONTENTS MAY BE IRRITATING TO RESPIRTORY PASSAGES. REMOVE TO FRESH AIR. CONTACT PHYSICIAN IF IRRITATION PERSISTS. INGESTION: RINSE THE MOUTH & SURROUNDING AREA WITH CLEAR, TEPID WATER FOR AT LEAST 15 MIN. CONSULT WITH A PHYSICIAN IMMEDIATE LY.

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===== Fire Fighting Measures =====
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Extinguishing Media:AS FOR 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.
Unusual Fire/Explosion Hazard:BATTERIES MAY BURST AND RELEASE HAZARDOUS DECOMPOSITION PRODUCTS WHEN EXPOSED TO A FIRE SITUATION.

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===== Accidental Release Measures =====
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Spill Release Procedures:NOTIFY SAFETY PERSONNEL OF LARGE APILLS. 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 =====
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Handling and Storage

Precautions:STORE AT ROOM TEMPERATURES. 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 TEMPERATURES.
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.

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

Respiratory Protection:NONE UNDER NORMAL USE CONDITIONS
Ventilation:GENERAL VENTILATION UNDER NORMAL USE CONDITIONS
Protective Gloves:NONE UNDER NORMAL USE CONDITIONS. BUTYL GLOVES WHEN HANDLING LEAKING BATTERIES
Eye Protection:NONE UNDER NORMAL USE CONDITIONS. SAFETY GLASSES WHEN HANDLING LEAKING BATTERIES
Work Hygienic Practices:NONE PROVIDED BY MFR
Supplemental Safety and Health
KEEP BATTERIES AWAY FROM SMALL CHILDREN

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

HC
C:Z6
Appearance and Odor:SMALL CYLINDRICAL BATTERIES. CONTENTS DARK IN COLOR.

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

Stability 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 HAZARDOUS FUMES OF MANGANESE AND LITHIUM; HYDROFLUORIC ACID; OXIDES OF CARBON AND SULFUR AND OTHER TOXIC BY-PRODUCTS.

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

Ecological:THESE BATTERIES PASS THE U.S. EPA'S TOXICITY CHARACTERISTIC LEACHING PROCEDURE & THEREFORE, MAY BE DISPOSED OF WITH NORMAL WASTE.

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

Waste Disposal Methods:NO SPECIAL PRECAUTIONS ARE REQUIRED FOR SMALL QUANTITIES. LARGE QUANTITIES OF OPEN BATTERIES SHOULD BE TREATED AS HAZARDOUS WASTE. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

RDANCE WITH FEDERAL, STATE AND
LOCAL REGULATIONS. D O NOT INCINERATE, SINCE BATTERIES MAY EXPLODE
AT EXCESSIVE TEMPERATURES.

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

Transport Information:THESE BATTERIES ARE NOT REGULATED UNDER U.S. DOT
OR INTERNATIONAL AGENCIES AS HAZAROUS MATERIALS OR DANGEROUS GOODS
WHEN SHIPPED.

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

Federal Regulatory Information:ALL INGREDIENTS LISTED IN TSCA
INVENTORY.

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

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