

DURACELL INC -- MN1300 (D) ALKALINE MANGANESE DIOXIDE CELL -- 6135-01-050-3193

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Product Identification
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Product ID:MN1300 (D) ALKALINE MANGANESE DIOXIDE CELL

MSDS Date:09/24/1991

FSC:6135

NIIN:01-050-3193

MSDS Number: BWXSG

=== Responsible Party ===

Company Name:DURACELL INC

Address:BERKSHIRE INDUSTRIAL PK BLDG 9

City:BETHEL

State:CT

ZIP:06801-5000

Country:US

Info Phone Num:203-796-4292

/617-449-7600

Emergency Phone Num:203-796-4292/617-449-7600

CAGE:GO384

=== Contractor Identification ===

Company Name:DURACELL INC

Address:BERKSHIRE INDUSTRIAL PK BLDG 9

City:BETHEL

State:CT

ZIP:06801-5000

Country:US

Phone:203-796-4292/617-449-7600

CAGE:GO384

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

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM HYDROXIDE
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 8%
Other REC Limits:2 MG/CUM (CEILING)
OSHA PEL:2 MG/CUM
ACGIH TLV:2 MG/CUM (CEILING)
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE DIOXIDE
CAS:1313-13-9
RTECS #:OP0350000
Fraction by Wt: 37%
OSHA PEL:5 MG/CUM
ACGIH TLV:5 MG/CUM (MN)

Ingred Name:ZINC
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 15%
OSHA PEL:15 MG/CUM
ACGIH TLV:10 MG/CUM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:
MERCURY, QUICKSILVER (IARC CANCER REVIEW GROUP 3) *94-4*
CAS:7439-97-6
RTECS #:OV4550000
Fraction by Wt: 0.025%
Other REC Limits:INORGANIC 0.1 MG/CUM
OSHA PEL:0.05 MG/CUM
ACGIH TLV:0.01 MG/CUM (SKIN)
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:CARBON, ACTIVATED CARBON, GRAPHITE
CAS:7440-44-0
RTECS #:FF5250100
Fraction by Wt: 4%
OSHA PEL:3.5 MG/CUM
ACGIH TLV:3.5 MG/CUM

Ingred Name:STEEL
Fraction by Wt: 18%
OSHA PEL:10 MG/CUM
ACGIH TLV:10 MG/CUM

Ingred Name:BRASS
Fraction by Wt: 2%
OSHA PEL:

10 MG/CUM
ACGIH TLV:10 MG/CUM

Ingred Name:PLASTIC
Fraction by Wt: 4%

Ingred Name:PAPER, SILICA GEL
Fraction by Wt: 1%

Ingred Name:MERCURY, QUICKSILVER (IARC CARCINOGEN GROUP 3) *95-2*
CAS:7439-97-6
Other REC Limits:INORGANIC 0.1 MG/CUM
ACGIH TLV:0.01 MG/CUM (SKIN)
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards A
cute and Chronic:POTASSIUM HYDROXIDE IS CAUSTIC &
SKIN/EYE CONTACT CAN CAUSE BURNS. EYE CONTACT MAY CAUSE PERMANENT
INJURY.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:BURNS.

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

First Aid:SKIN: FLUSH IMMEDIATELY W/WATER. EYES: FLUSH W/COPIOUS
AMOUNTS OF WATER FOR 15 MINS. INHALATION: REMOVE TO FRESH AIR.
OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:CELLS MAY EXPLODE AT EXCESSIVE TEMPS.
CELLS MAY RELEASE TOXIC MERCURY VAPORS WHEN INTEGRITY OF CANS IS
BROKEN.

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

Spill Release Procedures:AVOID SKIN & EYE CONTACT. DON'T INHALE VAPORS.

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

Handling and Storage Precautions:STORE AT ROOM TEMPERATUR

E. AVOID

MECHANICAL/ELECTRICAL ABUSE.

Other Precautions: DON'T ATTEMPT TO RECHARGE/DISASSEMBLE. DON'T DISPOSE IN FIRE. REPLACE ALL BATTERIES IN EQUIPMENT AT SAME TIME. DON'T MIX BATTERY SYSTEMS IN SOME EQUIPMENT. DON'T CARRY BATTERIES LOOSE IN POCKET/BAG.

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

Respiratory Protection: WEAR SELF CONTAINED BREATHING APPARATUS WHEN LARGE NUMBERS OF CELLS ARE INVOLVED IN A FIRE.

Ventilation: SUBSEQUENT TO A FIRE PROVIDE AS MUCH AS POSSIBLE.

Protective Gloves: NEOPRENE/RUBBER/LATEX-NITRILE

Eye Protection: SAFETY GLASSES

Other Protective Equipment: NONE

Supplemental Safety and Health

PHYSICAL DATA INFORMATION IS FOR MANGANESE DIOXIDE. THESE CHEMICALS ARE CONTAINED IN A SEALED CAN. RISK OF EXPOSURE OCCURS ONLY IF BATTERY IS MECHANICALLY/ELECTRICALLY ABUSED. MOST LIKELY RISK IS ACUTE EXPOSURE WHEN A CELL LEAKS.

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

Melt/Freeze Pt: M.P/F.P

Text: 995F

Spec Gravity: 5

Solubility in Water: 0%

Appearance and Odor: BLACK POWDER

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

Stability Indicator/Materials to Avoid: YES

Stability Condition to Avoid: HEAT, ELEVATED TEMPS, DISASSEMBLE, RECHARGE.

Hazardous Decomposition Products: MERCURY VAPORS, CAUSTIC POTASSIUM HYDROXIDE.

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

Waste Disposal Methods: SMALL: DISPOSE OF W/HOUSEHOLD TRASH. LARGE: OPEN

CELLS SHOULD BE TREATED AS A HAZARDOUS WASTE. DON'T INCINERATE.
DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

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