

DURACELL USA -- ALKALINE MANGANESE DIOXIDE CELL -- 6135-01-031-8078

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Product Identification
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Product ID:ALKALINE MANGANESE DIOXIDE CELL

MSDS Date:06/15/1992

FSC:6135

NIIN:01-031-8078

MSDS Number: BMQLC

=== Responsible Party ===

Company Name:DURACELL USA

Address:BERKSHIRE INDUSTRIAL PARK

City:BETHEL

State:CT

ZIP:06801

Country:US

Info Phone Num:203-796-4000 OR 617-449-7600

Emergency Phone

Num:203-796-4000 OR 617-449-7600

CAGE:DO224

=== 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:DURACELL USA

Address:305 NEW HIGHWAY 64 E

City:LEXINGTON

State:NC

ZIP:27292

Phone:(617)449-7600

CAGE:DO224

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58-3

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TECS #:TT2100000
Fraction by Wt: 8%
Other REC Limits:NONE SPECIFIED
OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE DIOXIDE
CAS:1313-13-9
RTECS #:OP0350000
Fraction by Wt: 37%
Other REC Limits:NONE SPECIFIED
OSHA PEL:C 5 MG MN/M3, T-DUST
ACGIH TLV:5 MG MN/M3 T-DUST 92

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG ZNO/M3, T-DUST
ACGIH TLV:10 MG ZNO/M3;TD
UST92
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MERCURY (SARA III) (MANUFACTURER STATES THAT NO MERCURY WAS
ADDED.)
CAS:7439-97-6
RTECS #:OV4550000
Fraction by Wt: 0%-ADDED
Other REC Limits:NONE SPECIFIED
OSHA PEL:S, C, 0.1 MG/M3
ACGIH TLV:S, 0.05 MG/M3; 9192
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
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azards Acute and Chronic:THESE CHEMICALS ARE CONTAINED IN A SEALED CAN. RISK OF EXPOSURE OCCURS ONLY IF THE CELL IS MECHANICALLY OR ELECTRICALLY ABUSED. THE MOST LIKELY RISK IS ACUTE EXPOSURE WHEN A CELL LEAKS. POTASSIUM HYDR OXIDE IS CAUSTIC AND SKIN CONTACT CAN CAUSE BURNS. EYE CONTACT WITH POTASSIUM HYDROXIDE MAY CAUSE PERMANENT INJURY.

Explanation of Carcinogenicity:MFR LISTED NO FURTHER INFORMATION ABOUT THE CARCINOGENICITY OF THIS MATERIAL.

Effects of Overexposure:S

KIN AND EYE CONTACT WITH POTASSIUM HYDROXIDE MAY CAUSE CHEMICAL BURNS. AT HIGH TEMPERATURES, METAL FUME SYMPTOMS MAY APPEAR.

Medical Cond Aggravated by Exposure:AN ACUTE EXPOSURE WILL NOT GENERALLY AGGRAVATE ANY MEDICAL CONDITION.

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

First Aid:EYES: IF LEAKAGE FROM A CELL CONTACTS THE SKIN, FLUSH IMMEDIATELY WITH WATER. FOR EYE CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES AND SEE A PHYSICIAN AT ONCE.

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

Extinguishing Media:MFR: "N/A" HMIS: PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT WHEN A LARGE NUMBER OF CELLS ARE INVOLVED IN A FIRE.

Unusual Fire/Explosion Hazard:CELLS MAY RELEASE TOXIC ZINC FUMES WHEN EXPOSED TO A FIRE.

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

Spill Release Procedures:"AVOID SKIN AND EYE CONTACT."
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID MECHANICAL, PHYSICAL OR ELECTRICAL ABUSE. STORE AT ROOM TEMPERATURE. USE NEOPRENE, RUBBER OR LATEX-NITRILE GLOVES WHEN HANDLING LEAKERS.

Other Precautions:INSTALL CELLS IN ACCORDANCE WITH EQUIPMENT INSTRUCTIONS. REPLACE ALL BATTERIES IN EQUIPMENT AT

THE SAME TIME.

DO NOT MIX BATTERY SYSTEMS SUCH AS ALKALINE AND ZINC CARBON IN SAME EQUIPMENT. DO NOT CARRY BATTERIES LOOSE IN POCKET OR BAG.

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

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

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

Protective Gloves:NEOPRENE, RUB/LATEX-NITRILE/FOR LEAKERS

Eye Protection:SAFETY GLASSES WHEN HANDLING LEAKERS.

Other Protective Equipment:NONE.

Work Hygienic Practices:MFR: ? HMIS:USE GOOD INDUSTRIAL HYGIENE PRACTICE. AVOID CONTACT W/LEAKERS. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

KEY2:KT THIS NSN 6135-00-850-3177 WAS CANCELLED 92153 AND REPLACED WITH NSN 6135-00-900-2139.

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

HCC:N1

NRC/State Lic Num:NONE

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

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Stability Indicator/Materials to Avoid:YES

NO INFORMATION GIVEN ON MSDS BY MFR.

Stability Condition to Avoid:DO NOT HEAT, DISASSEMBLE, OR RECHARGE.

Hazardous Decomposition Products:WHEN HEATED, CELLS MAY EMIT HAZARDOUS FUMES OF ZINC AND CAUSTIC POTASSIUM HYDROXIDE.

Conditions to Avoid Polymerization:WIL NOT OCCUR.

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

Waste Disposal Methods:IN SMALL QUANTITIES, CELLS MAY BE DISPOSED OF WITH HOUSEHOLD TRASH. TREAT O

PEN CELLS IN LARGE QUANTITIES AS A

HAZARDOUS WASTE. DO NOT INCINERATE SINCE CELLS MAY EXPLODE AT EXCESSIVE TEMPERATURE. DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

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