

DURACELL USA -- ALKALINE MANGANESE DIOXIDE CELL,BA-3090/U -- 6135-00-850-3177

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Product Identification
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Product ID:ALKALINE MANGANESE DIOXIDE CELL,BA-3090/U

MSDS Date:06/15/1992

FSC:6135

NIIN:00-850-3177

MSDS Number: BPXXW

=== 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

Preparer's Name:JIM DONAHUE/GEORGE WALLIS

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

RTECS #: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;TDUST92

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

==== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes

of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards 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.

Effects of Overexposure:SK
IN 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 EYES, FLUSH WITH
LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: IF LEAKAGE
FROM CELL CONTACTS SKIN, FLUSH WITH LARGE AMOU
NTS OF WATER.
INHALATION: MOVE TO FRESH AIR. INGESTION: GET MEDICAL ATTENTION.

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

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA 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 Measu
res =====

Spill Release Procedures:AVOID SKIN AND EYE CONTACT WITH LEAKAGE FROM A
CELL. DO NOT INHALE VAPORS FROM LEAKAGE FROM A CELL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID MECHANICAL, PHYSICAL OR
ELECTRICAL ABUSE. STORE AT ROOM TEMPERATURE. DO NOT ATTEMPT TO
RECHARGE. DO NOT DISPOSE IN FIRE.
Other Precautions:INSTALL CELLS IN ACCORDANCE WITH EQUIPM

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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.

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

Respiratory Protection:NIOSH/MSHA APPROVED SCBA 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:WASH AFTER HANDLING LEAKERS, AND BEFORE EATING, DRINKING, OR SMOKING.

Supplemental Safety and Health

LAUNDRER CLOTHING CONTAMINATED BY LEAKERS BEFORE REUSE. THIS NSN 6135-00-850-3177 WAS CANCELLED 92153 AND REPLACED WITH NSN 6135-00-900-2139.

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

HCC:N1

Boiling Pt:B.P. Text:2408F,1320C

Melt/

Freeze Pt:M.P/F.P Text:680F,360C

Vapor Pres:VERY LOW

Spec Gravity:5.0 (MNO2)

Appearance and Odor:RECTANGULAR WITH ROUNDED CORNERS. LENGTH 1.9 IN., WIDTH 0.7 IN., HEIGHT 1.0 IN.

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.

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

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

SIUM HYDROXIDE.

Conditions to Avoid Polymerization:WIL NOT OCCUR.

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

Waste Disposal Methods:IN SMALL QUANTITIES, CELLS MAY BE DISPOSED OF WITH HOUSEHOLD TRASH. OPEN CELLS IN LARGE QUANTITIES SHOULD BE TREATED AS A HAZARDOUS WASTE. DO NOT INCINERATE SINCE CELLS MAY EXPLODE AT EXCESSIVE TEMPER ATURE. DISPOSE I/A/W ALL LOCAL, STATE, & FED REGS.

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