

DURACELL INC TECHNICAL SALES & MARKETING GROUP -- ALKALINE MANGANESE DIOXIDE CELL,MN 1300 (D) -- 6135-00-835-7210

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Product Identification  
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Product ID:ALKALINE MANGANESE DIOXIDE CELL,MN 1300 (D)

MSDS Date:06/15/1992

FSC:6135

NIIN:00-835-7210

MSDS Number: BRDJZ

=== Responsible Party ===

Company Name:DURACELL INC TECHNICAL SALES & MARKETING GROUP

Address:BERKSHIRE INDUSTRIAL PARK BLDG 9

Ci

ty:BETHEL

State:CT

ZIP:06801

Country:US

Info Phone Num:800-243-9540/FAX 203-796-4518

Emergency Phone Num:203-796-4654/617-449-7600

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

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

CAS:1310-58-3

RTECS #:TT2100000

Fract

ion by Wt: 8%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C, 2 MG/M3

ACGIH TLV:C 2 MG/M3; 9293

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 RECOMMENDED

OSHA PEL:5 MG MN/M3 CEILING

ACGIH TLV:5 MG MN/M3

Ingred Name:ZINC (SARA III)

CAS:7440-66-6

RTECS #:ZG8600000

Fraction by Wt: 15%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG ZNO/M3



HEN HANDLING LEAKERS OR INTERNAL PARTS  
OF CELLS.

Neutralizing Agent:ACID FOR POTASSIUM HYDROXIDE

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

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE. AVOID  
BREAKING, CRUSHING OR OTHERWISE DESTROYING THE PHYSICAL INTEGRITY  
OF THE CELL OR BATTERY.

Other Precautions:DO NOT TOUCH BROKEN OR LEAKING BATTERIES. AVOID  
MECHANICAL OR ELECTRICAL ABUSE. DO NOT ATTEMPT TO RECHARGE. AVOID  
SHORT CIRCUITS. DO NOT C  
ARRY BATTERIES LOOSE IN POCKET OR BAG. KEEP  
BATTERIES AWAY FRO M SMALL CHILDREN.

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

Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING  
APPARATUS WHEN CELLS ARE INVOLVED IN A FIRE.

Ventilation:USE ADEQUATE LOCAL EXHAUST VENTILATION WHEN CELLS ARE  
INVOLVED IN A FIRE.

Protective Gloves:NEOPRENE, LATEX-NITRILE, OR RUBBER

Eye Protection:SAFETY GLASSES WHEN HANDLING LEAKERS

Other Protective Equipment:EYE WAS

H STATION

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A UNDER THE SAME  
NSN. THIS MSDS IS FOR PART NUMBERS:MN1300 (D), MN1400 (C), MN1500  
(AA), MN2400 (AAA), MN9100 (N), MN908, MN918, MN1604, 5K69, 7K67 A  
ND BATTERIES COMPRISED OF THESE CELLS.

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

HCC:N1

Boiling Pt:B.P. Text:907F ZN

Melt

/Freeze Pt:M.P/F.P Text:360C KOH

Decomp Temp:Decomp Text:NOT KNOWN

Vapor Pres:1 @487C ZN

Spec Gravity:5.0 (MNO2)

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water: 50 % KOH

Appearance and Odor:CLEAR LIQUID (KOH), BLACK POWDER (MNO2), GREY  
POWDER (ZN)

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN

Stability Condition to Avoid:OVER-HEATING, RECHARGING, DISASSEMBLING,  
CRUSHING

OR INCINERATION

Hazardous Decomposition Products:CELL MAY RELEASE TOXIC ZINC FUMES AND CAUSTIC POTASSIUM HYDROXIDE WHEN HATED.

===== 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. DISPOSE IN ACOORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. DO NOT INCINERATE.

Disclaime

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