

DURACELL INC -- ALKALINE MANGANESE DIOXIDE CELL -- 6135-00-985-7845

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

Product ID:ALKALINE MANGANESE DIOXIDE CELL

MSDS Date:06/15/1992

FSC:6135

NIIN:00-985-7845

MSDS Number: BQXVL

=== Responsible Party ===

Company Name:DURACELL INC

Address:BERKSHIRE INDUSTRIAL PARK BLDG 9

City:BETHEL

State:CT

ZIP:06801

Country:US

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

Emergency Phone Num:203-796-4000/617-449-7600

Preparer's Name:J.DONAHUE/G.WA

LLACE

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

===== Composition/Information on Ingredients =====

Ingred Name:POTASSIUM HYDROXIDE (SARA III)

CAS:131

0-58-3  
RTECS #:TT2100000  
Fraction by Wt: 8.0%  
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 (AS MANGANESE)  
CAS:1313-13-9  
RTECS #:OP0350000  
Fraction by Wt: 37.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C, 5 MG/M3  
ACGIH TLV:5 MG/M3 DUST/1 FUME

Ingred Name:ZINC (SARA III)  
CAS:7440-66-6  
RTECS #:ZG8600000  
Fraction by Wt: 15.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG ZNO/M3  
ACGIH TL  
V:10 MG ZNO/M3; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:MERCURY (SARA III);MANUFACTRER STATES NONE ADDED  
CAS:7439-97-6  
RTECS #:OV4550000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:S, C, 0.1 MG/M3  
ACGIH TLV:S, 0.05 MG/M3; 9293  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:THIS

ITEM IS AN ARTICLE.THE HAZARDS

LISTED ARE FOR KOH AND ZN.SKIN:KOH CAN CAUSE BURNS.EYES:KOH CAN CAUSE PERMANENT INJURY.INHAL:FUMES FROM ZN(WHEN HEATED) ARE TOXIC.

Explanation of Carcinogenicity:NOT APPLICABLE.

Effects of Overexposure:SKIN/EYES:BURNS.INHAL:METAL FUME SYMPTOMS(FROM HEATED ZINC).

Medical Cond Aggravated by Exposure:MANUFACTURER STATES NONE KNOWN.

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

First Aid:SKIN:FLUSH WITH WATER.EYES:FLUSH WITH WATER F  
OR 15

MINUTES.CALL PHYSICIAN.INHAL:REMOVE FROM EXPOSURE.CALL  
PHYSICIAN.INGEST:CALL POISON CONTROL CENTER OR PHYSICIAN.

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

Extinguishing Media:ITEM IS NON-FLAMMABLE.USE APPROPRIATE MEDIA FOR  
SURROUNDING FIRE.

Fire Fighting Procedures:HMIS SUGGESTS TO USE A SELF-CONTAINED  
BREATHING APPARATUS WHENEVER FIGHTING A CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:CELLS MAY RELEASE TOXIC ZINC FUMES.

===== Acc  
idental Release Measures =====

Spill Release Procedures:ABSORB LEAKERS WITH PAPER TOWEL OR INERT  
ABSORBANT;AVOID SKIN AND EYE CONTACT;PLACE IN AN APPROPRIATE  
CONTAINER FOR DISPOSAL.CAREFULLY!WASH SPILL AREA WITH WATER.

Neutralizing Agent:NONE

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

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

Other Precautions:DO NOT RECHARGE.FOLLOW APPLIANCE INSTRUCTIONS FOR  
INSTALLATION.REPLACE ALL BATERIES AT THE SAME TIME.DO NOT MIX  
BATTERY TYPES.

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

Respiratory Protection:USE A SELF-CONTAINED BREATHING APPARATUS  
WHENEVER A LARE NUMBER OF CELLS ARE INVOLVED IN A FIRE.

Ventilation:SUBSEQUENT TO A FIRE USE AS MUCH VENTILATION AS POSSIBLE.

Protective Gloves:NEOPRENE,RUBBER,LATEX-NITRILE

Eye Protection:SAFETY GLASS

ES FOR LEAKERS.

Other Protective Equipment:MANUFACTURER STATES NONE.

Work Hygienic Practices:USE PRUDENT HYGENIC AND SANITARY PRACTICES.

Supplemental Safety and Health

NONE

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:CYLINDRICAL BATTERY,C-SIZE

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

Stability Indicator/Materials to Avoid:YES

NOT REPORTED.

Stability Condition to Avoid:HEAT ...DISASSEM

BLY,RECHARGING.

Hazardous Decomposition Products:WHEN HEATED,CELLS RELEASE TOXIC ZINC  
VAPORS AND POTASSIUM HYDROXIDE.

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

Waste Disposal Methods:SMALL NUMBERS OF CELLS CAN BE DISPOSED OF AS  
HOUSEHOLD TRASH.LEAKERS ARE CONSIDERED HAZARDOUS WASTE.DO NOT  
INCINERATE.FOLLOW APPLICABLE FEDERAL,STATE AND LOCAL REGULATIONS.

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