

DURACELL USA (ALIAS BATTERY TECHNOLOGY COMPANY) -- MERCURIC OXIDE CELL; P/N BA-1093/U -- 6135-00-808-5093

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

Product ID:MERCURIC OXIDE CELL; P/N BA-1093/U

MSDS Date:09/05/1991

FSC:6135

NIIN:00-808-5093

Status Code:A

MSDS Number: BFQFZ

=== Responsible Party ===

Company Name:DURACELL USA (ALIAS BATTERY TECHNOLOGY COMPANY)

Address:305 NEW HIGHWAY 64 EAST

City:LEXINGTO

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State:NC

ZIP:27292-2037

Country:US

Info Phone Num:203-796-4292

Emergency Phone Num:617-449-7600

CAGE:2A917

=== Contractor Identification ===

Company Name:BATTERY ASSEMBLERS INC

Address:211-4 KNICKERBOCKER AVE

Box:City:BOHEMIA

State:NY

ZIP:11716

Country:US

Phone:407-323-3390/EM:516-567-8855/8278

CAGE:0B0Y5

Company Name:DURACELL USA (ALIAS BATTERY TECHNOLOGY COMPANY)

Address:305 NEW HIGHWAY 64 EAST

Box:City:LEXINGTON

State:NC

ZIP:27292-2037

Country:US

Phone:617-449-7600

CAGE:2A917

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Composition/Information on Ingredients =====

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)

CAS:1310-58-3

RTECS #:TT2100000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 2 MG/M3

ACGIH TLV:C 2 MG/M3; 9495

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:MERCURIC OXIDE (SARA 302/313) (CERCLA)

CAS:21908-53-2

RTECS #:OW8750000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG (HG)/M3; Z-2

ACGIH TLV:S,0.025 MG(HG)/M3;95

Ingred Name:MERCURY (SARA 313) (CERCLA)

CAS:7439-97-6

RTECS #:OV45500

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Other REC Limits:NONE RECOMMENDED

OSHA PEL:C, 0.1 MG/M3; Z-2

ACGIH TLV:S,0.025 MG/M3; A4;95

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:ZINC (SARA 313) (CERCLA)

CAS:7440-66-6

RTECS #:ZG8600000

Other REC Limits:NONE RECOMMENDED

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG MN/M3 CEILING

ACGIH TLV:5 MG MN/M3

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

LD50 LC5

0 Mixture:NOT RELEVANT

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY, GI TRACTS. ACUTE- BATTERY IS HERMETICALLY SEALED. CONTENTS OF AN OPEN BATTERY CAN CAUSE IRRITATION OF RESPIRATORY TRACT, SEVERE EYE IRRITATION & BURNS, SKIN IRRITATION, BURNS. INGESTION CAN BE HARMFUL. CAUSES BURNS. AT ELEVATED TEMPERATURES, MERCURY INTOXICATION. CHRONIC- UNKNO

WN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:NONE IF BATTERY IS NOT BROKEN OR IN FIRE.

OTHERWISE: SEVERE IRRITATION, CHEMICAL BURNS, PAIN

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

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

First Aid:IF INGESTED, DO NOT INDUCE VOMITING NOR GIVE FOOD/DRINK. SEEK MEDICAL ATTENTION IMMEDIATELY. CALL NATIONAL BATTERY INGESTION HOTLINE FOR ADV

ICE (202-625-3333) COLLECT DAY/NIGHT. IF INHALED, PROVIDE FRESH AIR & CALL A DOCTOR. IF SKIN IS CONTAMINATED, REMOVE CLOTHING & WASH SKIN WITH SOAP & WATER. IF IRRITATION PERSISTS, SEE DOCTOR. FOR EYE, FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES. SEE DOCTOR.

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

Flash Point:NOT RELEVANT

Extinguishing Media:IN BULK STORAGE AREAS, USE FOAM OR DRY CHEMICAL. WATER SPRAY MAY CAUSE ELECTRICAL SHORTS.

Fire Fighting

Procedures:AS WITH ANY FIRE, WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:LIKE ANY SEALED CONTAINER, BATTERY CELLS MAY RUPTURE RESULTING IN RELEASE OF CORROSIVE MATERIAL AND TOXIC MERCURY VAPOR.

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

Spill Release Procedures:IF BROKEN, COLLECT AND TRANSFER TO PROPER CONTAINER FOR DISPOSAL. WEAR GLOVES.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, WELL VENTILATED AREA.  
ELEVATED TEMPERATURES CAN RESULT IN SHORTENED BATTERY LIFE. KEEP  
OUT OF REACH OF SMALL CHILDREN.

Other Precautions:DO NOT CARRY BATTERIES LOOSE IN POCKET, PURSE/BAG. DO  
NOT MIX BATTERY SYSTEMS (MERCURY ALKALINE/ZINC CARBON) IN SAME  
EQUIPMENT. DO NOT OPEN BATTERY, DISPOSE IN FIRE, RECHARGE, PUT IN  
BACKWARDS. MAY EX PLODE OR LEAK AND CAUSE PERSONAL INJURY.

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

Respiratory Protection:NOT NECESSARY UNDER NORMAL CONDITIONS. WEAR A  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN CELLS ARE  
INVOLVED IN A FIRE.

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

Protective Gloves:NEOPRENE/NITRILE IF HANDLING LEAKERS

Eye Protection:SAFETY GLASSES+SIDE SHIELDS FOR LEAKERS

Other Protective Equipment:NOT NECESSARY UNDER NORMAL CONDITIONS.

Work Hygie

nic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

PERCENTAGES OF INGREDIENTS VARY ACCORDING TO TYPE OF CELL USED WITHIN  
THE BATTERY.

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Decomp Temp:Decomp Text:NOT KNOWN

Spec Gravity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NOT RELEVANT

Appearance and Odor:BATTERY - ODORLESS

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

Stability Indicator/Materials to Avoid:YES  
NOT KNOWN

Stability Condition to Avoid:EXCESSIVE HEAT, ELECTRICAL SHORTING,  
CRUSH, PUNCTURE, DISASSEMBLE, RECHARGE

Hazardous Decomposition Products:HAZARDOUS MERCURY VAPORS AND CAUSTIC  
POTASSIUM HYDROXIDE

==== Disposal Considerations =====

Waste Disposal Methods:DISPOSE IN LANDFILL IN ACCORDANCE WITH ALL  
LOCAL, STATE AND FEDERAL REGULATIONS. DO NO

T INCINERATE.

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