

BATTERY TECHNOLOGY COMPANY -- PRIMARY BATTERY,MERCURY BA1277/U -- 6135-00-194-9354  
===== Product Identification =====

Product ID:PRIMARY BATTERY,MERCURY BA1277/U

MSDS Date:07/12/1985

FSC:6135

NIIN:00-194-9354

MSDS Number: BPRDD

=== Responsible Party ===

Company Name:BATTERY TECHNOLOGY COMPANY

Address:NEW HIGHWAY 64E

Box:305

City:LEXINGTON

State:NC

ZIP:27292-2037

Country:US

Info Phone Num:704-249-

9101

Emergency Phone Num:704-249-9101

CAGE:06121

=== Contractor Identification ===

Company Name:BATTERY TECHNOLOGY COMPANY (WAS MALLORY BATTERY CO

Box:305

CAGE:06121

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

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

Ingred Name:POTASSIUM HYDROXIDE (SARA III).66.0 G;BP 2408F;VP 1 MMHG @  
719C;SPEC

GRAV 2.04 (WATER=1);SOL IN WATER;% VOLATILE 73.8.

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 10.6%

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3 CEILING

ACGIH TLV:2 MG/M3 CEILING

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:MERCURIC OXIDE (SARA III).226.5 G;SPEC GRAVITY 3.97  
(WATER=1);SOL IN WATER NEGLIGIBLE.OSHA PEL IS CEILING VALUE.

CAS:21908-53-2

RTECS #:OW8750000

Fraction by Wt: 36.3%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1 MG(HG)/M3 SKIN

ACGIH TLV:0.1 MG(HG)/M3 S

KIN

Ingred Name:MERCURY (SARA III).6.9 G;BP 674F;VP 1 MMHG @ 186C;SPEC GRAV  
13.6 (WATER=1);SOL IN WATER NEGLIGIB.OSHA PEL CEILING VALUE.

CAS:7439-97-6

RTECS #:OV4550000

Fraction by Wt: 5.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1 MG(HG)/M3 SKIN

ACGIH TLV:0.05 MG/M3 SKIN

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:NOT KNOWN

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

Reports of Carcinogenicity:NTP:NO

IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SEE SIGNS AND SYMPTOMS OF  
OVEREXPOSURE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES:POTASSIUM HYDROXIDE IS CAUSTIC CAUSING  
DAMAGE TO EYE.SKIN:POTASSIUM HYDROXIDE IS CAUSTIC CAUSING DAMAGE TO  
SKIN.

Medical Cond Aggravated by Exposure:NOT KNOWN

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

First Aid:EYES:FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15  
MINUTES AND SEE PHYSICIAN.SKIN:  
WASH WITH WATER IMMEDIATELY.

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

Lower Limits:NOT KNOWN

Upper Limits:NOT KNOWN

Extinguishing Media:NOT KNOWN

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA)  
AND FULL TURNOUT GEAR WHEN BATTERIES ARE IN FIRE.

Unusual Fire/Explosion Hazard:CAN EXPLODE WHEN SUBJECTED TO EXCESSIVE  
HEAT.

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

Spill Release Procedures:NOT KNOWN

Neutralizing

Agent:NOT KNOWN

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Handling and Storage  
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Handling and Storage Precautions:STORE AT ROOM TEMPERATURE.  
Other Precautions:DO NOT BURN,CAN EXPLODE WHEN SUBJECTED TO EXCESSIVE HEAT.

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Exposure Controls/Personal Protection  
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Respiratory Protection:CONTACT LOCAL SAFETY/INDUSTRIAL HYGIENE OFFICE TO DETERMINE IF RESPIRATORY PROTECTION IS REQUIRED .  
Ventilation:CONTACT LOCAL SAFETY/INDUSTRIAL HYGIENE OFFICE TO DETERMINE

IF LOCAL EXHAUST VENTILATION IS NEEDED .  
Protective Gloves:NEOPRENE,RUBBER,LATEX-NITRILE GLOVES.  
Eye Protection:CHEMICAL SAFETY GOGGLES .  
Other Protective Equipment:NOT KNOWN  
Work Hygienic Practices:AVOID SKIN AND EYE CONTACT.  
Supplemental Safety and Health  
DIMENSIONS OF BATTERIES:GROSS WEIGHT (LB):1.37;OUTSIDE PACKAGE DIMENSIONS (INCHES):4.25(L),1.37(W),2.5(H).

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Physical/Chemical Properties  
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Boiling Pt:B.P. Text:NOT KNOWN  
Melt/Freeze Pt:M.P/F.P Text:N  
OT KNOWN  
Decomp Temp:Decomp Text:NOT KNOWN  
Vapor Pres:NOT KNOWN  
Vapor Density:NOT KNOWN  
Spec Gravity:NOT KNOWN  
Evaporation Rate & Reference:NOT KNOWN  
Solubility in Water:NOT KNOWN  
Appearance and Odor:POTASSIUM HYDROXIDE:CLEAR  
LIQUID.MERCURY:SILVER.MERCURY OXIDE:ORANGE-RED POWDER

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES  
NOT KNOWN  
Stability Condition to Avoid:TEMPERATURES ABOVE 500F.  
Hazardous Decomposition Products:ME

RCURIC OXIDE ON EXPOSURE TO LIGHT OR  
500F DECOMPOSES TO OXYGEN AND MERCURY.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH  
FEDERAL, STATE, AND LOCAL REGULATIONS. COORDINATE WITH SUPPORTING  
INSTALLATION AND/OR MACOM ENVIRONMENTAL OFFICE PRIOR TO DISPOSAL  
.DO NOT DISCARD. CONTACT LOCAL DEFENSE PROPERTY DISPOSAL OFFICE  
(DPDO).

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