

YARDNEY TECHNICAL PRODUCTS INC -- LR3-2, WET OR DRY SILVER-ZINC BATTERY --
6100-00-445-1917

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

Product ID:LR3-2, WET OR DRY SILVER-ZINC BATTERY

MSDS Date:07/28/1992

FSC:6100

NIIN:00-445-1917

MSDS Number: BXHMZ

=== Responsible Party ===

Company Name:YARDNEY TECHNICAL PRODUCTS INC

Address:82 MECHANIC ST

City:PAWCATUCK

State:CT

ZIP:06379

Country:US

Info Phone Num:203-5

99-1100

Emergency Phone Num:800-255-3924

CAGE:87362

=== Contractor Identification ===

Company Name:YARDNEY TECHNICAL PRODUCTS INC

Address:82 MECHANIC ST

Box:City:PAWCATUCK

State:CT

ZIP:06379

Country:US

Phone:(860)599-1100

CAGE:87362

===== 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

ngred 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:SILVER (SARA 313) (CERCLA)
CAS:7440-22-4
RTECS #:VW3500000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9495
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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(H
G)/M3;95

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:POTASSIUM HYDROXIDE IS CORROSIVE TO
SKIN & EYES. MERCURIC OXIDE BIO ACCUMULATES IN HUMAN TISSUES.
SILVER BIO ACCUMULATES IN HUMAN TISSUE. ZINC BIO ACCUMULATES IN
HUMAN TISSUE. ZINC FUMES CAN CAUSE RESPIRATORY DISTRESS.
Explanation of Carcinogenicity:MFR GAVE THE ABOVE LISTINGS ON THE MSDS
BUT NO OTHER COMMENTS WERE RECORDED.
Effects of Overexposure:POTASSIUM HYDROXIDE:SKIN & EYE IRRITATION.
SILVER:ARGYRIA. MERCURIC OXIDE:LOSS OF MEMORY, TREMORS. ZINC:METAL
FUME FEVER.

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

First Aid:REMOVE INJURED PERSONNEL FROM AREA IMMEDIATELY. FLUSH EYES &
SKIN W/COPIOUS AMOUNTS OF WATER FOR POTASSIUM HYDROXIDE
INVOLVEMENT &

SEEK MEDICAL ATTENTION IMMEDIATELY.

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

Extinguishing Media: DRY CHEMICAL EXTINGUISHER
Fire Fighting Procedures: AVOID BREATHING FUMES. WEAR SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard: INTENSE HEAT AND ACRID SMOKE FROM BURNING METAL AND PLASTIC COMPONENTS.

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

Spill Release Procedures: CONTAIN POTASSIUM HYDROXIDE. VENTILATE AREA. NEUTRALIZE POTASSIUM HYDROXIDE W/BORIC ACID. DO NOT FLUSH TO SANITARY SEWER. COLLECT ALL SPILLAGE AND DEBRIS FOR PROPER DISPOSAL.
Neutralizing Agent: BORIC ACID.

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

Handling and Storage Precautions: AVOID SHORT CIRCUITING TERMINALS OF WET CELLS AND BATTERIES. AVOID EXPOSURE TO INTENSE HEAT OR FIRE.
Other Precautions: MFR GAVE NO INFORMATION ON MSDS.

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

Ventilation: USE MECHANICAL (GENERAL) VENTILATION PER ACGIH HANDBOOK & LOCAL EXHAUST.
Protective Gloves: GLOVES
Eye Protection: GOGGLES
Work Hygienic Practices: WASH THOROUGHLY AFTER WORKING WITH AGZN BATTERIES.
Supplemental Safety and Health: NONE

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

HCC: N1
NRC/State Lic Num: NONE
Appearance and Odor: NO ODOR; MFR GAVE NO FURTHER INFORMATION ON MSDS.

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

ACIDS, SOLV

ENTS

Stability Condition to Avoid:SHORT CIRCUITING POSITIVE & NEGATIVE
TERMINALS

Hazardous Decomposition Products:MERCURIC OXIDE FUMES, HYDROGEN GAS

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

Waste Disposal Methods:CELLS AND BATTERIES CONTAIN SILVER AND SHOULD BE
RECYCLED I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

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