

LYNTRONICS, INC. -- MERCURIC OXIDE CELL USED IN VARIOUS BATTERIES

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MSDS Safety Information
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FSC: 6135
NIIN: 00-838-0706
MSDS Date: 05/01/1994
MSDS Num: CBSCC
Product ID: MERCURIC OXIDE CELL USED IN VARIOUS BATTERIES
MFN: 01
Responsible Party
Cage: OBSY9
Name: LYNTRONICS, INC.
Address: 569 ACORN STREET
City: D
EER PARK NY 11729
Info Phone Number: 515-243-6397
Emergency Phone Number: 515-243-6397
Preparer's Name: ANTHONY VIGLIOTTI
Published: Y

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Contractor Summary
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Cage: OBSY9
Name: LYNTRONICS, INC.(AMERICAN POWERCELL BATTERY CO)
Address: 7 OLD DOCK RD
City: YAPHANK NY 11980
Phone: 631-205-1061FX:631-205-1072

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Item Description Information
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Item Manager: B16
Item Name: BATTERY, NONRECHARGEABLE
Specification Number: MIL-B-18-267
Type/Grade/Class: BA1568U
Unit of Issue: EA
UI Container Qty: 1

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Ingredients
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Cas: 1310-58-3
RTECS #: TT2100000
Name: POTASSIUM HYDROXIDE (CERCLA)
Other REC Limits: NONE RECOMMENDED
OSHA PEL: C 2 MG/M3
ACGIH TLV: C 2 MG/M3; 9495
EPA Rpt Qty: 100

0 LBS
DOT Rpt Qty: 1000 LBS

Cas: 21908-53-2
RTECS #: OW8750000
Name: MERCURIC OXIDE (SARA 302/313) (CERCLA)
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 0.1 MG (HG)/M3; Z-2
ACGIH TLV: S,0.025 MG(HG)/M3;95

Cas: 7439-97-6
RTECS #: OV4550000
Name: MERCURY (SARA 313) (CERCLA)
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

Cas
: 7440-66-6
RTECS #: ZG8600000
Name: ZINC (SARA 313) (CERCLA)
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Cas: 1313-13-9
RTECS #: OP0350000
Name: MANGANESE DIOXIDE
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 5 MG MN/M3 CEILING
ACGIH TLV: 5 MG MN/M3

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Health Hazards Data
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LD50 LC50 Mixture: LD50 FOR THIS PRODUCT IS NOT ESTABLISHED
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: CHEMICALS ARE SEALED WITHIN THE BATTERY.MOST LIKELY
EXPOSURE IS TO CAUSTIC POTASSIUM HYDROXIDE FROM
LEAKERS.SKIN:BURNS.EYES:SEVERE PERMANENT INJURY.INHAL:MERCURY VAPORS CAN
PRODUCE MERCURY INTOXICATIO N.
Explanation Of Carcinogenicity: THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE
IDENTIFIED AS C

ARCINOGENS BY NTP,IARC OR OSHA.

Signs And Symptoms Of Overexposure: KOH:CHEMICAL BURNS.

Medical Cond Aggravated By Exposure: ACUTE EXPOSURE IS UNLIKELY TO AGGRIVATE EXISTING MEDICAL CONDITIONS UNDER NORMAL CONDITIONS OF USE.

First Aid: SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.CALL PHYSICIAN.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOM ITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.CALL THE NATIONAL CAPITOL POISON CENTER AT 202-625-3333.

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Handling and Disposal
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Spill Release Procedures: USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.VENTILATE AREA.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.LARGE QUANTITIES OF MERCURY BATTE RIES SHOULD BE TREATED AS HAZARDOUS WASTE.DO NOT INCINERATE.

Handling And Storage Precautions: STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions: DO NOT RECHARGE,SHORT OR ABUSE.DO NOT MIX BATTERY TYPES.

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Fire and Explosion Hazard Information
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Flash Point Text: NONE

Extinguishing Media: USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire

Fighting Procedures: USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard: FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.

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Control Measures
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Respiratory Protection: USE A SELF CONTAINED BREATHING APPARATUS WHEN CELLS ARE INVOLVED IN A FIRE.

Ventilation: NO SPECIAL REQUIREMENTS

Protective Gloves: NEOPRENE,RUBBER,LATEX-NITRILE.

Eye Protection:

SAFETY GLASSES WHEN HANDLING LEAKERS.

Other Protective Equipment: NONE

Work Hygienic Practices: USE REASONABLE CARE IN HANDLING THIS PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health: NOTE:PHYSICAL PROPERTIES ARE FOR POTASSIUM HYDROXIDE ELECTROLYTE.

Physical/Chemical Properties

HCC: Z7

B.P. Text: 2408F,1320C

M.P/F.P Text: 680F,360C

Decomp Text: UNKNOW

N

Spec Gravity: 2.0

Solubility in Water: APPRECIABLE

Appearance and Odor: ELECTROLYTE IS A CLEAR LIQUID.

Corrosion Rate: UNKNOWN

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: HIGH HEAT.DO NOT DISASSEMBLE,CRUSH,PUNCTURE OR RECHARGE.

Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: WHEN HEATED THE BATTERY EMITS MERCURY VAPO RS

AND CAUSTIC POTASSIUM HYDROXIDE.

Hazardous Polymerization Indicator: NO

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: 0BSY9

Trans ID NO: 88074

Product ID: MERCURIC OXIDE CELL USED IN VARIOUS BATT

ERIES
MSDS Prepared Date: 05/01/1994
Review Date: 08/26/1996
MFN: 1
Net Unit Weight: UNKNOWN
AF MMAC Code: NR
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: EA
Container QTY: 1
Additional Data: NONE

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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail IMO Info
rmination
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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: MERCURIC OXIDE CELL USED IN VARIOUS BATTERIES
Cage: OBSY9
Company Name: LYNTRONICS, INC.(AMERICAN POWERCELL BATTERY CO)
Street: 7 OLD DOCK RD
City: YAPHANK NY
Zipcode: 11980
Health Emergency Phone: 515-243-6397
Label Required IND: Y
Date Of Label Review:

08/26/1996
Status Code: C
MFG Label NO: UNKNOWN
Label Date: 08/26/1996
Origination Code: F
Signal Word: CAUTION
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None

Hazard And Precautions: CHEMICALS ARE SEALED WITHIN THE BATTERY.MOST LIKELY EXPOSURE IS TO CAUSTIC POTASSIUM HYDROXIDE FROM LEAKERS.SKIN:BURNS.EYES:SEVERE PERMANENT INJURY.INHAL:MERCURY VAPORS CAN PRODUCE MERCURY INTOXICATION. FIRST AID: SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYE S:FLUSH WITH WATER FOR 15 MINUTES.CALL PHYSICIAN.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.CALL THE NATIONAL CAPITOL POISON CENTER AT 202-625-3333.

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