

BATTERY ASSEMBLERS INC -- ALKALINE MANGANESE DIOXIDE CELL -- 6135-00-450-3528

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Product Identification
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Product ID:ALKALINE MANGANESE DIOXIDE CELL

MSDS Date:09/24/1991

FSC:6135

NIIN:00-450-3528

MSDS Number: BNWLR

=== Responsible Party ===

Company Name:BATTERY ASSEMBLERS INC

Address:211-4 KNICKERBOCKER AVE

City:BOHEMIA

State:NY

ZIP:11716

Country:US

Info Phone Num:516-567-8855

Emergency Ph

one Num:516-567-8855

CAGE:0B0Y5

=== 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:P.R. MALLORY

CAGE:9H067

Company Name:TNR TECHNICAL INC.

Address:OUT OF BUSINESS BUT LOCATED IN FLA.

Box:City:ALTAMOUNT SPRINGS

State:FL

Country:US

CAGE:3X184

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM HYDR

OXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 8%
Other REC Limits:NONE SPECIFIED
OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE DIOXIDE
CAS:1313-13-9
RTECS #:OP0350000
Fraction by Wt: 37%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3 CEILING
ACGIH TLV:5 MG/M3 (AS MN DUST)

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG ZNO/M3
ACGI
H TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MERCURY (SARA III)
CAS:7439-97-6
RTECS #:OV4550000
Fraction by Wt: 0.025%
Other REC Limits:NONE SPECIFIED
OSHA PEL:S, C, 0.1 MG/M3
ACGIH TLV:S, 0.05 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:ORAL RAT LD50 NONE STATED
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:N

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Health Hazards Acute and Chronic:THESE CHEMICALS ARE CONTAINED IN A SEALED CAN. RISK OF EXPOSURE OCCURS ONLY IF THE BATTERY IS MECHANICALLY OR ELECTRICALLY ABUSED. THE MOST LIKELY RISK IS ACUTE EXPOSURE WHEN A CELL LEAKS. POTASSIUM HYDROXIDE IS CAUSTIC AND SKIN CONTACT CAN RESULT IN BURNS. EYE CONTACT MAY CAUSE PERMANENT INJURY.

Effects of Overexposure:SKIN AND EYE CONTACT WITH POTASSIUM HYDROXIDE MAY CAUSE CHEMICAL BURNS. AT ELEVATED TEMPERATURE, MERCURY VAPOR MAY BE GENERATED WHICH SHOULD NOT BE INHALED.

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

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First Aid Measures
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First Aid:IF LEAKAGE FROM A CELL CONTACTS THE SKIN, FLUSH IMMEDIATELY WITH WATER. FOR EYE CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES AND SEE PHYSICIAN AT ONCE. IF VAPOR IS INHALED, REMOVE TO FRESH AIR.

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Fire Fighting Measures
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Flash Point:NONE

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS WHEN A LARGE NUMBER OF CELLS ARE INVOLVED IN A FIRE.

Unusual Fire/Explosion Hazard:CELLS MAY RELEASE TOXIC MERCURY VAPORS WHEN THE INTEGRITY OF THE CANS IS BROKEN.

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Accidental Release Measures
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Spill Release Procedures:AVOID SKIN AND EYE CONTACT. DO NOT INHALE VAPORS.

Neutralizing Agent:NONE STATED BY THE MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:AVOID MECHANICAL OR ELECTRICAL ABUSE. STORE AT ROOM TEMPERATURE. DO NOT ATTEMPT TO RECHARGE. INSTALL CELLS IN ACCORDANCE WITH EQUIPMENT INSTRUCTIONS.

Other Precautions:REPLACE ALL BATTERIES IN EQUIPMENT AT THE SAME TIME. DO NOT MIX BATTERY SYSTEMS SUCH AS ALKALINE AND ZINC CARBON IN SAME EQUIPMENT

IPMENT. DO NOT CARRY BATTERIES LOOSE IN POCKET OR BAG.

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

Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS WHEN LARGE NUMBERS OF CELLS ARE INVOLVED IN A FIRE.

Ventilation:GOOD ROOM VENTILATION IS REQUIRED.

Protective Gloves:RUBBER GLOVES WHEN HANDLING LEAKERS.

Eye Protection:FACE SHIELD WHEN HANDLING LEAKERS.

Other Protective Equipment:NONE

Work Hygienic Practices:FOLLOWING CONTACT WITH INTERNAL BATTERY COMPONENT

S, WASH HANDS THOROUGHLY BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

NONE GIVEN BY THE MANUFACTURER.

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

HCC:N1

Appearance and Odor:BATTERY IN A PLASTIC CASE, CORRUGATED FOR ADDED STRENGTH.

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

Stability Indicator/Materials to Avoid:YES

NONE STATED BY THE MANUFACTURER.

Stability Condition to Avoid:DO NOT HEAT, DISASSEMBLE, OR RECHARGE

Hazardous Decomposition Products:WHEN HEATED, CELLS MAY EMIT HAZARDOUS VAPORS OF MERCURY AND CAUSTIC POTASSIUM HYDROXIDE

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

Waste Disposal Methods:CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER. IN SMALL QUANTITIES, CELLS MAY BE DISPOSED OF WITH HOUSEHOLD TRASH. OPEN CELLS IN LARGER QUANTITIES SHOULD BE TREATED AS A HAZARDOUS WASTE. DO NOT INCINERATE SINCE CELLS MAY EXPLODE AT EXCESSIVE TEMPERATURES.

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