

BATTERY ASSEMBLERS INC -- B810-418A, BATTERY -- 6135-01-009-4929
===== Product Identification =====

Product ID:B810-418A, BATTERY
MSDS Date:09/05/1991
FSC:6135
NIIN:01-009-4929
MSDS Number: BKBYV
=== 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 Phone Num:516-567-8855
CAGE:0
B0Y5
=== 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

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

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
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:MERCURIC OXIDE

(SARA III)
CAS:21908-53-2
RTECS #:OW8750000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG HG/M3;SKIN;C
ACGIH TLV:0.1 MG HG/M3; 9192

Ingred Name:MERCURY (SARA III)
CAS:7439-97-6
RTECS #:OV4550000
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

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1
000 LBS

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

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:THE MOST LIKELY RISK IS ACUTE EXPOSURE
WHEN A BATTERY LEAKS.POTASSIUM HYDOXIDE IS CAUSTIC. SKIN CONTACT
CAN PRODUCE BUR

NS. EYE CONTACT CAN RESULT IN SEVERE PERMANENT INJURY. AT ELEVATED TEMPERATURES, MERCURY VAPOR GENERATED CAN PRODUCE MERCURY INTOXICATION.

Explanation of Carcinogenicity:NO

Effects of Overexposure:SKIN AND EYE CONTACT WITH POTASSIUM HYDROXIDE MAY CAUSE CHEMICAL BURNS. AT ELEVATED TEMPERATURES, 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 =====

First Aid:IF LEAKS FROM BATTERY COME IN CONTACT WITH THE SKIN, FLUSH IMMEDIATELY WITH WATER. FOR EYE CONTACT, FLUSH EYES IMMEDIATELY WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES AND SEE A PHYSICIAN AT ONCE. FOR INHALATION OF MERCURY VAPOR REMOVE TO FRESH AIR.

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

Extinguishing Media:MANUFACTURER STATES N/A. RECOMMEND USE WATER WATER FOG,CARBON DIOXIDE,FOAM, OR DRY CHEMICAL

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS WHEN BATTERY IS INVOLVED IN A FIRE.

Unusual Fire/Explosion Hazard:BATTERY MAY RELEASE TOXIC VAPOR WHEN THE INTEGRITY OF OF CELLS WITHIN THE BATTERY IS BROKEN.

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

Spill Release Procedures:AVOID SKIN AND EYE CONTACT. DO NOT INHALE VAPORS. LARGE QUANTITIES OF MERCURY BATTERIES, SHOULD BE COLLECTED IN AN APPROVED DOT CONT

AINER PENDING DISPOSAL INSTRUCTIONS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE NEOPRENE, RUBBER OR LATEX-NITRILE GLOVES WHEN HANDLING LEAKERS. STORE AT ROOM TEMPERATURE.

Other Precautions:AVOID MECHANICAL OR ELECTRICAL ABUSE. DO NOT ATTEMPT TO RECHARGE. AVOID SHORT CIRCUITES. DO NOT DISPOSE OF IN FIRE. INSTALL BATTERY IN ACCORDANCE WITH EQUIPMENT INSTRUCTIONS. OBSERVE

CORRECT POLARITY WHEN INSERTING INTO EQUIPMENT.

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

Respiratory Protection:SELF BREATHING APPARATUS WHEN CELLS ARE INVOLVED IN FIRE.

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

Protective Gloves:NEOPRENE, RUBBER OR LATEX-NITRILE.

Eye Protection:SAFETY GLASSES WHEN HANDLING LEAKERS.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:PRACTICE GENERAL INDUSTRIAL HYGIENE PRACTICE.

WASH HANDS THOROUGHLY AFTER HANDLING. AVOID CONTACT.

Supplemental Safety and Health

REPLACE ALL BATTERIES IN EQUIPMENT AT THE SAME TIME. DO NOT MIX BATTERY SYSTEMS SUCH AS MERCURY ALKALINE AND ZINC CARBON IN SAME EQUIPMENT. DO NOT CARRY BATTERIES LOOSE IN POCKET, PURSE OR BAG. KEEP BATTERIES AWAY FROM CHILDREN. IF SWALLOWED CONSULT A PHYSICIAN AT ONCE.

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

HCC:N1

Viscosity:NOT APPLICABLE

Appearance and Odor:

CLEAR LIQUID (KOH); ORANGE RED POWDER (HGO), SILVERY LIQUID (HG) GREY POWDER (ZN, HG)

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

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

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

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

Waste Disposal Methods:LARGE QUANTITIES OF OPEN BATTERIES SHOULD BE TREATED AS HAZARDOUS WASTE. DO NOT INCINERATE, SINCE CELLS MAY EXPLODE AT EXCESSIVELY HIGH TEMPERATURES. DISPOSE OF IN ACCORDANCE WITH APPLICABLE REGULATIONS AND LOCAL ENVIRONMENTAL AGENCIES.

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