

BATTERY ASSEMBLERS INC -- MERCURIC OXIDE CELL; P/N BA-1093/U -- 6135-00-808-5093

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

Product ID:MERCURIC OXIDE CELL; P/N BA-1093/U

MSDS Date:09/05/1991

FSC:6135

NIIN:00-808-5093

Status Code:A

MSDS Number: CJJRN

=== Responsible Party ===

Company Name:BATTERY ASSEMBLERS INC

Address:211-4 KNICKERBOCKER AVE

City:BOHEMIA

State:NY

ZIP:11716

Country:US

Info Phone Num:407-3

23-3390/EM:516-567-8855/8278

Emergency Phone Num:516-567-8855

Resp. Party Other MSDS Num.:MSDSHG/11

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

Contract Num:SP0430-97-M-FE88

CAGE:0B0Y5

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

Ingred Name:POTASSIUM HYDROXIDE

CAS:1310-58-3

RTECS #:TT2100000

Other REC Limits:NONE RE

COMMENDED
ACGIH STEL:C2 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MERCURIC OXIDE
CAS:21908-53-2
RTECS #:OW8750000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:see Table Z-2
ACGIH TLV:0.025 MG/M3

Ingred Name:MERCURY
CAS:7439-97-6
RTECS #:OV4550000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:see Table Z-2
ACGIH TLV:0.025 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ZINC
CAS:7440-66-6
RTECS #:ZG8600000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3
E
PA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE DIOXIDE
CAS:1313-13-9
RTECS #:OP0350000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C5 MG/M3
ACGIH TLV:5 MG/M3

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: NONE (HMIS). ACUTE AND
CHRONIC - THESE CHEMICALS ARE CONTAINED IN A SEALED CAN. RISK OF
EXPOS

URE OCCURS ONLY IF THE BATTERY IS MECHANICALLY OR ELCTRICALLY ABUSED. THE MOST LIKELY RISK I S ACUTE EXPOSURE WHEN A BATTERY LEAKS. KOH IS CAUSTIC. SKIN CONTACT CAN PRODUCE BURNS. EYE CONTACT CAN RESULT IN SEVERE PERMANENT INJURY. AT ELEVATED TEMPERATURE, HG VAPOR GENERATED CAN PRODUCE MERCURY INTOXICATION.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:KOH 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.

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

First Aid:IF LEAKAGE FROM BATTERY COMES INTO CONTACT WITH THE SKIN, FLUSH IMMEDIATELY WITH WATER. FOR EYE CONTACT, FLUSH EYES IMMEDIATELY WITH COPIOUS AMOUNT OF WATER FOR 15 MINUTES AND SEE A PHYSICIAN AT ONCE. FOR INHALATION OF MERCURY VAPORS, REMOVE TO FRESH AIR.

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

Fire Fighting Procedures:FIREFIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS WHEN BATTERY IS INVOLVED IN A FIRE.
Unusual Fire/Explosion Hazard:BATTERY MAY RELEASE TOXIC MERCURY VAPOR WHEN THE INTEGRITY OF CELLS WITHIN THE BATTERY IS BROKEN.

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

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

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

Handling and Storage Precautions:USE NEOPRENE, RUBBER OR LATEX-NITRILE GLOVES WHEN HANDLING LEAKERS. STORE AT ROOM TEMPERATURE. KEEP BATTERIES AWAY FROM SMALL CHILDREN. DO NOT INCINERATE. DO NOT DISPOSE OF IN FIRE (MAY EXPLODE).

Other Precautions:AVOID MECHANICAL OR ELECTRICAL ABUSE. DO NOT ATTEMPT TO RECHARGE. AVOID SHORT CIRCUIT. INSTALL IN ACCORDANCE WITH EQUIPMENT INSTRUCTIONS. OBSERVE CORRECT POLARITY WHEN INSERTING INTO EQUIPMENT. REPLAC E ALL BATTE

RIES IN EQUIPMENT AT SAME TIME.

DO NOT MIX BATTERY SYSTEMS. DO NOT CARRY BATTERIS LOOSE I N POCKET,
PURSE, BAG

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

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

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

Protective Gloves:NEOPRENE, RUBBER OR LATEX-NITRILE GLOVES ARE
RECOMMENDED WHEN HANDLING LEAKERS.

Eye Protection:SAFETY GLASSES WHE
N HANDLING LEAKERS.

Other Protective Equipment:NONE

Supplemental Safety and Health

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

HCC:Z7

Boiling Pt:=1320.C, 2408.F

B.P. Text:(KOH)

Melt/Freeze Pt:=360.C, 680.F

M.P/F.P Text:(KOH)

Vapor Pres:1 @ 125C (HG)

Spec Gravity:(H2O=1)2.0(KOH)

Solubility in Water:50% (KOH)

Appearance and Odor:DRY CELL BATTERY

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

Stability Indicator/Materials to Avoid:YES

Stability Cond

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

Hazardous Decomposition Products:WHEN HEATED, BATTERY MAY EMIT
HAZARDOUS HG VAPORS AND CAUSTIC KOH.

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

Waste Disposal Methods:NO SPECIAL PRECAUTIONS ARE REQUIRED FOR DISPOSAL
OF SMALL QUANTITIES OF SPENT MERCURY BATTERIES. CHECK WITH LOCAL
ENVIRONMENTAL AGENCIES FOR INFORMATION REGARDING PROPER DISPOSAL OF
LARGE QUANTITIES O F MERCURY BATTER

IES. LARGE QUANTITIES OF OPEN

BATTERIES SHOULD BE TREATED AS HAZARDOUS WASTE. DISPOS E OF IN
ACCORDANCE WITH REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek comp
etent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.