

BREN-TRONICS INC -- ALKALINE BATTERY/CELL P/N: BT70353 -- 6135-01-268-2151

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

Product ID:ALKALINE BATTERY/CELL P/N: BT70353

MSDS Date:01/23/1995

FSC:6135

NIIN:01-268-2151

Status Code:A

MSDS Number: CJKLJ

=== Responsible Party ===

Company Name:BREN-TRONICS INC

Address:10 BRAYTON CT

City:COMMACK

State:NY

ZIP:11725-3104

Country:US

Info Phone Num:516-499-5155

Emergency

Phone Num:516-499-5155

CAGE:51828

=== Contractor Identification ===

Company Name:BREN-TRONICS INC

Address:10 BRAYTON CT

Box:City:COMMACK

State:NY

ZIP:11725-3104

Country:US

Phone:631-499-5155

CAGE:51828

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

Ingred Name:POTASSIUM HYDROXIDE

CAS:1310-58-3

RTECS #:TT2100000

Minumum % Wt:5.

Maxumum % Wt:9.

Other REC Limits:NONE RECOMMENDED

ACGIH STEL:C2 MG/M3

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE DIOXIDE

CAS:

1313-13-9
RTECS #:OP0350000
Minumum % Wt:32.
Maxumum % Wt:38.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C5 MG/M3
ACGIH TLV:C5 MG/M3

Ingred Name:ZINC
CAS:7440-66-6
RTECS #:ZG8600000
Minumum % Wt:11.
Maxumum % Wt:16.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MERCURY
CAS:7439-97-6
RTECS #:OV4550000
< Wt:.02
Other REC Limits:NONE RECOMMENDED
OSHA PEL:see Table Z-2
ACGIH TLV:0.025 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Q
ty:1 LB

===== 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
EXPOSURE OCCURS ONLY IF THE BATTERY IS MECHANICALLY OR ELCTRICALLY
ABUSED. THE MOST LIKELY RISK I S WHEN A BATTERY LEAKS. KOH IS
CAUSTIC. SKIN CONTACT CAN CAUSE IR
RITATION OR BURNS. EYE CONTACT
WITH KOH MAY CAUSE PERMANENT INJURY.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:SKIN AND EYE CONTACT MAY CAUSE BURNS.
Medical Cond Aggravated by Exposure:AN ACUTE EXPOSURE WILL NOT
GENERALLY AGGRAVATE ANY MEDICAL CONDITION.

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

First Aid:IF LEAKAGE FROM CELL CONACTS: SKIN - FLUSH WITH WATER. AND
WASH WITH SOAP AND WATER; EYES - FLUSH WITH COPIOUS AMOUNTS OF
WATER F

OR 15 MINUTES AND SEE PHYSICIAN AT ONCE.

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

Fire Fighting Procedures:FIREFIGHTER SHOULD USE SELF-CONTAINED
BREATHING APPARATUS WHEN A LARGE NUMBER OF CELLS ARE INVOLVED.
Unusual Fire/Explosion Hazard:CELLS MAY RUPTURE WHEN HEATED
EXCESSIVELY.

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

Spill Release Procedures:AVOID SKIN AND EYE CONTACT. DO NOT INHALE
VAPORS. COLLECT ALL RELEASED MATERIAL IN
PLASTIC BAG FOR WASTE
DISPOSAL.
Neutralizing Agent:WEAK ACID

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

Handling and Storage Precautions:STORE IN DRY PLACE. DO NOT RECHARGE.
DO NOT SHORT CIRCUIT.
Other Precautions:USE BATTERY ONLY IN PROPER EQUIPMENT. OBSERVE CORRECT
POLARITY WHEN INSTALLING INTO EQUIPMENT.

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

Respiratory Protection:AS IN ANY FIRE SITUATION, USE SELF-CONTAINED
BREATHING
APPARATUS.
Protective Gloves:WHEN HANDLING LEAKING BATTERIES
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@487C
Spec Gravity:2.0=KOH
Solubility in Water:9BUTYL ACETATE=1)
Appearance and Odor:KOH(CLEARLIQUID), MNO2(BLK PWDER), ZN(GREY POWDER)

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

Stability Indicator/Mate

rials to Avoid: YES

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

Hazardous Decomposition Products: WHEN HEATED, CELLS MAY EMIT HAZARDOUS VAPORS OF CAUSTIC KOH

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

Waste Disposal Methods: IN SMALL QUANTITIES, BATTERIES MAY BE DISPOSED OF WITH HOUSEHOLD TRASH. DO NOT INCINERATE. DISPOSE OF LARGE QUANTITIES IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

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