

BREN-TRONICS INC -- ALKALINE BATTERY/CELL, RT70062M -- 6135-01-031-8078

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Product Identification
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Product ID:ALKALINE BATTERY/CELL, RT70062M

MSDS Date:03/01/1991

FSC:6135

NIIN:01-031-8078

MSDS Number: BXFRT

=== Responsible Party ===

Company Name:BREN-TRONICS INC

Address:10 BRAYTON CT

City:COMMACK

State:NY

ZIP:11725

Country:US

Info Phone Num:516-499-5153

Emergency Phone Num:516-499-5155

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AGE: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

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM HYDROXIDE; (KOH) (CERCLA) BP:2408F, 1320C. SPEC

GRAV:2.0 (H*2O=1). MP:680F, 360C. SOL IN H*2O:50%. (ING 2)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 5-9%

OSHA PEL:C 2 MG/M3

ACGIH TLV:C 2 MG/M3

EPA Rpt Qty:1000 LBS

DOT R

pt Qty:1000 LBS

Ingred Name:ING 1:APPEAR & ODOR:CLEAR LIQUID.
RTECS #:9999999ZZ

Ingred Name:MANGANESE DIOXIDE (MNO*2) SPEC GRAV:5.0 (H*2O=1). MP:995F,
535C. SOL IN H*2O:0%. APPEAR & ODOR:BLACK POWDER.

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 32-38%

OSHA PEL:5 MG MN/M3 CEILING

ACGIH TLV:5 MG MN/M3

Ingred Name:ZINC; (ZN) (SARA 313) (CERCLA) BP:1665F, 907C. SPEC
GRAV:7.14 (H*2O=1). VP:1 @ 487C. MP:788F, 420C. SOL IN H*2O:(ING 5)

CAS:7440-66-6

RTECS #:ZG8600000

Fraction by Wt: 11-1

6%

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ING 4:0%. APPEAR & ODOR:GREY POWDER.

RTECS #:9999999ZZ

Ingred Name:MERCURY; (HG) (SARA 313) (CERCLA) BP:675F, 357C. SPEC
GRAV:13.6 (H*2O=1). VP:1 @126C. MP:-38F, -39C. SOL IN H*2O:(ING 7)

CAS:7439-97-6

RTECS #:OV4550000

OSHA PEL:C, 0.1 MG/M3

ACGIH TLV:S,0.025 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:ING 6:0%. APPEAR & ODOR:AMALGAM W/ZN.

RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:THESE CHEMS ARE CNTND IN SEALED CAN.

RISK OF EXPOS OCCURS ONLY IF BATTERY IS MECH/ELEC ABUSED. MOST

LIKELY, RISK IS WHEN CELL LEAKS. KOH IS CAUSTIC & SKIN CONT CAN

CAUSE IRRIT. EYE CONT W/KOH MAY CAUS E PERM INJURY. SKIN & EYE CONT

W/KOH MAY CAUSE BURNS. AT ELEVATED TEMPS HG VAP MAY BE PR

ESENT &

SHOULD (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZS:NOT BE INHALED. MERCURY & CMPDS
APPEAR ON THE NAVY LISTING OF OCCUPATIONAL CHEMICAL REPRODUCTIVE
HAZARDS. SEEK CONSULTATION FROM APPROPRIATE HEALTH PROFESSIONALS
CONCERNING LATEST HAZARD LIS T INFORMATION AND SAFE HANDLING AND
EXPOSURE INFORMATION .

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

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

First Aid:INGEST:CALL MD IMMEDIATELY . INHAL:REMOVE TO FRESH AIR.
SUPPORT BREATHING (GIVE O*2/ARTF RESP) . SKIN:FLUSH WITH WATER AND
WASH WITH SOAP AND WATER. EYES:FLUSH WITH COPIOUS AMOUNTS OF WATE R
FOR AT LEAST 15 MINUTES THEN SEE PHYSICIAN AT ONCE.

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

Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE .

Fire Fighting Procedures:WEAR NIOSH/MSHA APP
ROVED SCBA & FULL
PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:CELLS MAY RUPTURE WHEN HEATED
EXCESSIVELY; MAY RELEASE TOXIC MERCURY AND CORROSIVE MATERIALS WHEN
INTEGRITY OF CELL CAN IS BROKEN.

===== 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:NONE SPECIFIED BY MANUFACTURER.

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===== 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. DO NOT ATTEMPT TO
RECHARGE.

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

Respiratory Protection:AS IN ANY FIRE SITUATION, USE NIOSH/MSHA
APPROVED SELF-CONTAINED BREATHING APPARATUS (SCBA).

Ventilation:

NOT APPLICABLE.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment:NOT APPLICABLE.

Work Hygienic Practices:NOT APPLICABLE.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

Boiling Pt:B.P. Text:SEE INGS

Melt/Freeze Pt:M.P/F.P Text:SEE INGS

Vapor Pres:SEE INGS

Spec Gravity:SEE INGS

Solubility in Water:SEE INGREDIENTS.

Appearance and Odor:SEE INGREDIEN

TS.

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

Stability Indicator/Materials to Avoid:YES

NOT APPLICABLE.

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 HG OR 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 REGUALTIONS

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