

BREN-TRONICS INC -- ALKALINE BATTERY / CELL BA-56 -- 6135-00-120-1003

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Product Identification  
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Product ID:ALKALINE BATTERY / CELL BA-56

MSDS Date:01/23/1995

FSC:6135

NIIN:00-120-1003

Status Code:A

MSDS Number: CKCND

=== Responsible Party ===

Company Name:BREN-TRONICS INC

Address:10 BRAYTON CT

City:COMMACK

State:NY

ZIP:11725-3104

Country:US

Info Phone Num:516-499-5153/5155

Emergency Phon

e 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

Contract Num:SP0450-00-M-G452

CAGE:51828

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Composition/Information on Ingredients  
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Ingred Name:POTASSIUM HYDROXIDE

CAS:1310-58-3

RTECS #:TT2100000

Minimum % Wt:5.

Maxumum % Wt:9.

ACGIH STEL:C2 MG/M3

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-

RTECS #:OP0350000  
Minumum % Wt:32.  
Maxumum % Wt:38.  
OSHA PEL:C5 MG/M3  
ACGIH TLV:5 MG/M3

Ingred Name:ZINC  
CAS:7440-66-6  
RTECS #:ZG8600000  
Minumum % Wt:11.  
Maxumum % Wt:16.  
OSHA PEL:15 MG/M3  
ACGIH TLV:10 MG/M3  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

===== 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:THESE CHEMICALS ARE CONTAINED IN  
A

SEALED CAN. RISK OF EXPOSURE OCCURS ONLY IF THE BATTERY IS  
MECHANICALLY OR ELECTRICALLY ABUSED. MOST LIKELY, RISK IS WHEN A  
CELL LEAKS.POTASSIUM HYDROXIDE ( KOH) IS CAUSTIC AND SKIN CONTACT  
CAN CAUSE IRRITATION OR BURNS. EYE CONTACT W/KOH MAY CAUSE  
PERMANENT INJURY.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SKIN AND EYE CONTACT W/KOH MAY CAUSE BURNS,  
IRRITATION

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

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

First Aid:IF LEAKAGE FROM CELL CONTACTS: SKIN - FLUSH WITH WATER AND  
WASH WITH SOAP AND WATER. EYES - FLUSH WITH COPIOUS AMOUNTS OF  
WATER FOR 15 MINUTES THEN SEE PHYSICIAN AT ONCE.

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

Fire Fighting Procedures:FIREFIGHTERS SHOULD USE SELF-CONTAINED  
BREATHING APPARATUS WHEN A LARGE NUMBER OF CELLS ARE INVOLVED.  
Unusual Fire/Explos

ion 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.

===== 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. OB  
SERVE CORRECT  
POLARITY WHEN INSTALLING INTO EQUIPMENT. DO NOT ATTEMPT TO  
RECHARGE.

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

Respiratory Protection:NONE NORMALLY REQUIRED. AS IN ANY FIRE  
SITUATION, USE SELF-CONTAINED BREATHING APPARATUS (SCBA).  
Protective Gloves:WHEN HANDLING LEAKING BATTERIES USE RUBBER GLOVES.  
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  
Spec Gravity:KOH(2.0)  
Evaporation Rate & Reference:KOH  
Solubility in Water:KOH(50%)  
Appearance and Odor:KOH (CLEAR LIQUID), SOLID BATTERY.

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

Stability Indicator/Materials 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.

Co

nditions to Avoid Polymerization:WILL NOT OCCUR.

===== 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 REGULATIONS.

===== Other Information =====

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