

BREN-TRONICS -- BA-48/U CARBON-ZINC BATTERY -- 6135-00-120-1007

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Product Identification
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Product ID:BA-48/U CARBON-ZINC BATTERY

MSDS Date:07/15/1993

FSC:6135

NIIN:00-120-1007

MSDS Number: BRSYV

=== Responsible Party ===

Company Name:BREN-TRONICS

Address:10 BRAYTON COURT

City:COMMACK

State:NY

ZIP:11725

Country:US

Info Phone Num:(516)-499-5155

Emergency Phone Num:(516)-499-5155

CAGE:DO0

86

=== Contractor Identification ===

Company Name:BREN-TRONICS

Address:10 BRAYTON CT

Box:City:COMMACK

State:NY

ZIP:11725-5504

Phone:516-499-5155

CAGE:DO086

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:ZINC (SARA III)

CAS:7440-66-6

RTECS #:ZG8600000

Fraction by Wt: 19%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG ZNO/M3

AC

GIH TLV:10 MG ZNO/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE DIOXIDE
CAS:1313-13-9
RTECS #:OP0350000
Fraction by Wt: 60%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 CEILING
ACGIH TLV:5 MG/M3 (AS MN DUST)

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 20%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MERCURY (SARA III)
CAS:74
39-97-6
RTECS #:OV4550000
Fraction by Wt: 1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:S, C, 0.1 MG/M3
ACGIH TLV:S, 0.05 MG/M3; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

==== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Health Hazards Acute and Chronic:INTACT BATTERIES PRESENT NO SPECIFIC
HAZARDS. BURNING BATTERIES EMIT HIGHLY TOXIC FUMES. LEAKING
BATTERIES LEAK CORROSIVE MATERIAL IRRITATING TO SKIN, EYES AND

MUCOUS MEMBRANES.

Effects of Overexposure:EXPOSURE TO LEAKING ELECTROLYTE CAN CAUSE SEVERE IRRIATION TO EYES OR SKIN. INHALATION OF FUMES MAY CAUSE SEVERE RESPIRATORY IRRITATION.

Medical Cond Aggravated by Exposure:BURNING BATTERIES: RESPIRATORY ALIMENTS. LEAKING BATTERIES; SKIN CONDITIONS.

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

First Aid:IF BATTERY CONTENTS COME IN CONTACT WITH THE BODY (EG HAND EYE) WASH AFFECTED AREA FOR AT LEAST 15 MIN WITH CLEAN WATER. [DO NOT] ATTEMPT TO NEUTRALIZE. SEEK MEDICAL ATTENTION PROMPTLY.

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

Extinguishing Media:CARBON DIOXIDE OR DRY CHEMICAL FIRE EXTINGUISHER, 10-B:C.

Fire Fighting Procedures:FIRE FIGHTER SHOULD USE SELF CONTAINED BREATHING APPARATUS. BATTERY/CELLS MAY RUPTURE AND/OR RELEASE TOXIC FUMES, IF SUBJECT TO FIRE/EXTREME HEAT.

Unusual Fire/Explosion Hazard:FIRE MAY CAUSE BATTERIES TO FUME

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

Spill Release Procedures:AVOID SKIN EYE CONTACT. USE NONFLAMMABLE ABSORBENT MATERIAL FOR CLEAN UP.

Neutralizing Agent:NOT KNOWN

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

Handling and Storage Precautions:DO NOT ABUSE OR SHORT CIRCUIT. WHEN STORING BATTERIES, STORE COOL, DRY AND IN WELL VENTILATED AREA WHICH IS APPROVED BY THE LOCAL FIRE DEPARTMENT.

Other Precautions:DO NOT ATTEMPT TO RECHARGE

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

Respiratory Protection:IF BATTERIES ARE BURNING USE SCBA

Ventilation:CONTACT LOCAL SAFETY/INDUSTRIAL HYGIENE OFFICE TO DETERMINE IF LOCAL EXHAUST VENTILATION IS NEEDED

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:CHEMICALLY RESISTANT SPLASH GOGGLES

Other Protective Equipment:CHEMICALLY RESISTANT APRON

Work Hygienic Practices:IF BATTERY IS LEAKING AVOID CONTACT WITH SKIN OR EYES

Supplemental Safety and Health
THIS MSD

S WAS CODED FROM A CECOM MATERIAL SAFETY DATA SHEET NOT THE MANUFACTURERS MSDS. BATTERIES PROCURED UNDER CONTRACT # DAAB07-90-P-C020.

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

NRC/State Lic Num:NOT KNOWN
Evaporation Rate & Reference:NOT KNOWN
Solubility in Water:NOT KNOWN
Appearance and Odor:NOT KNOWN

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

Stability Indicator/Materials to Avoid:YES
STORE SEPERATELY FROM OTHER HAZARDOUS MATERIALS, AND GAIN LOCAL FIRE DEPARTMENT APPROVAL FOR STORAGE AREAS.
Stability Condition to Avoid:FIRE AND EXTREME HEAT
Hazardous Decomposition Products:WHEN EXPOSED TO FIRE OR EXTREME HEAT, BATTERIES MAY RUPTURE AND/OR EMIT FUMES.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. COORDINATE WITH SUPPORTING INSTALLATION AND/OR MACOM ENVIRONMENTAL OFFICE PRIOR TO DISPOSAL

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