

BREN-TRONICS -- BA-231/U CARBON-ZINC BATTERY -- 6135-00-100-0458

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Product Identification
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Product ID:BA-231/U CARBON-ZINC BATTERY

MSDS Date:01/07/1993

FSC:6135

NIIN:00-100-0458

MSDS Number: BRSYN

=== 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:D

O086

=== 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: 29%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG ZNO/M3

ACGIH 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: 37%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 CEILING
ACGIH TLV:5 MG/M3 (AS MN DUST)

Ingred Name:ZINC CHLORIDE (SARA III)
CAS:7646-85-7
RTECS #:ZH1400000
Fraction by Wt: 9%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3/2 STEL
ACGIH TLV:1 MG/M3/2STEL FUME93
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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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 IRRITATION TO EYES OR SKIN. INHALATION OF FUMES MAY CAUSE SEVERE RESPIRATORY IRRITATION.
Medical Cond A
Aggravated by Exposure:BURNING BATTERIES: RESPIRATORY ALIMENTATIONS. 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 CHEMI

CAL 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

===== 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

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

Respiratory Protection:IF BATTERIES ARE BURNING USE SCBA
Ventilation:CONTACT LOCAL SAFETY/INDUSTRIAL HYGIENE OFFICE TO DETERMINE
IF LOCAL EXHA

UST 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 MSDS WAS CODED FROM A CECOM MATERIAL SAFETY DATA SHEET NOT THE
MANUFACTURERS MSDS. BATTERIES PROCURED UNDER CONTRACT #
DAAB07-90-P-C035.

===== Physical/Chemical Properties =====
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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,
BATTERI

ES 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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