

BREN-TRONICS INC -- BA-44 ZINC CARBON BATTERY -- 6135-00-050-0916

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Product Identification  
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Product ID:BA-44 ZINC CARBON BATTERY

MSDS Date:03/15/1991

FSC:6135

NIIN:00-050-0916

MSDS Number: BRBZL

=== 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:518

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=== 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:ZINC

CAS:7440-66-6

RTECS #:ZG8600000

Fraction by Wt: 29%

OSHA PEL:15

ACGIH TLV:10 MG/CUM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 37%

OSHA PEL:5 MG/CUM

ACGIH TLV:5 MG

/CUM (MN)

Ingred Name:ZINC CHLORIDE

CAS:7646-85-7

RTECS #:ZH1400000

Fraction by Wt: 9%

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:YES

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

Health Hazards Acute and Chronic:WHEN HEATED, MAY EMIT HAZARDOUS FUMES

WHICH MAY CAUSE METAL FUME FEVER SYMPTOMS AFTER 4-12 HOURS

OF

EXPOSURE. FEVER & SHAKING CHILLS GENERALLY DISAPPEAR AFTER 24

HOURS.

Explanation of Carcinogenicity:NONE

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

First Aid:IF ACCIDENTALLY INGESTED, SEE PHYSICIAN. IF LEAKAGE FROM CELL

CONTACTS SKIN OR EYES FLUSH W/WATER, SEE PHYSICIAN.

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

Fire Fighting Procedures:FIREFIGHTERS SHOULD USE SCBA WHEN A LARGE

NUMBER OF CELLS ARE INVOLVED.

Unusual Fire/

Explosion Hazard:CELLS MAY RELEASE TOXIC FUMES WHEN

BATTERY IS EXPOSED TO FIRE.

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

Spill Release Procedures:AVOID SKIN & EYE CONTACT. DON'T INHALE VAPORS.

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

Handling and Storage Precautions:STORE IN COOL PLACE, PREVENT

CONDENSATION. DON'T RECHARGE. DON'T SHORT CIRCUIT.

Other Precautions:INSTALL CELLS IN ACCORDANCE W/EQUIPMENT INSTRUCTIONS.

REPLACE ALL

BATTERIES IN EQUIPMENT AT THE SAME TIME. DON'T MIX  
BATTERY SYSTEMS SUCH AS ZINC CARBON & ALKALINE IN SAME EQUIPMENT.  
DON'T INCINERATE.

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

Respiratory Protection:IN A FIRE SITUATION USE SCBA.  
Ventilation:AFTER FIRE, PROVIDE VENTILATION.  
Protective Gloves:WHEN HANDLING LEAKING BATTERIES.  
Eye Protection:SAFETY GLASSES WHEN LEAKAGE.  
Supplemental Safety and Health

===== Physical/Chemical Properties =====  
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Solubility in Water:0%  
Appearance and Odor:SOLID

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

Stability Indicator/Materials to Avoid:YES  
Stability Condition to Avoid:SHORT CIRCUITING, HEATING, DISASSEMBLING,  
OR RECHARGING  
Hazardous Decomposition Products:MAY EMIT FUMES OF ZINC WHEN HEATED.

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

Waste Disposal Methods:IN SMALL QUANTITIES, BATTERIES MAY BE DISPOSED  
OF W/HOUSEHOLD TRASH. DON'T  
INCINERATE. DISPOSE OF LARGE QUANTITIES  
IN ACCORDANCE W/LOCAL REGULATIONS.

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