

BREN-TRONICS INC -- ALKALINE MANGANESE DIOXIDE CELL -- 6135-01-268-2151

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Product Identification
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Product ID:ALKALINE MANGANESE DIOXIDE CELL

MSDS Date:01/01/1987

FSC:6135

NIIN:01-268-2151

MSDS Number: CCCGT

=== 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:516-499-5

155

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

CAGE:51828

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM HYDROXIDE (CERCLA)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 8%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 2 MG/M3

ACGIH TLV:C 2 MG/M3; 9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE DIOXIDE

CA

S:1313-13-9
RTECS #:OP0350000
Fraction by Wt: 37%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG MN/M3 CEILING
ACGIH TLV:5 MG MN/M3

Ingred Name:ZINC (SARA 313) (CERCLA)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 15%
Other REC Limits:NONE RECOMMENDED
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:THE HAZARDOUS MATERIALS IN THIS
BATTERY ARE IN A SEALED CAN.IF CONTENTS(KOH) IS SPILLED,IT MAY
CAUSE BURNS TO SKIN AND PERMANENT EYE DAMAGE OR BURNS.
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.
Effects of Overexposure:BURNS,EYE DAMAGE.
Medical Cond Aggravated by Exposure:UNLIKELY TO AGGRIVATE EXISTING
MEDICAL CONDITIONS UNDER NORMAL CONDITIONS OF USE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH
WITH WATER FOR 15 MINUTES.SEE PHYSICIAN AT ONCE.INHAL:REMOVE TO
FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF
NEEDED.INGEST:GET PROMPT QUALIFIED MEDICAL ATTENTION IF CELLS ARE
INGESTED.

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

Flash Point:NONE
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:USE A SELF

-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT WHEN A LARGE NUMBER OF CELLS ARE INVOLVED IN A FIRE.

Unusual Fire/Explosion Hazard:CELL MAY EMIT CORROSIVE POTASSIUM HYDROXIDE FUMES.

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

Spill Release Procedures:USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.DO NOT INHALE VAPORS.PICK UP PIECES AND PLACE IN A NON-METAL CONTAINER FOR DISPOSAL.CLEAN UP SPILL AREA.

Neutralizing Agent:NOT REPORTED.

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

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE IN A DRY,WELL-VENTILATED PLACE.AVOID MECHANICAL OR ELECTRICAL ABUSE.

Other Precautions:DO NOT RECHARGE.DO NOT MIX BATTERY TYPES.REPLACE ALL BATTERIES OF THE SAME AGE AT THE SAME TIME.DO NOT CARRY LOOSE BATTERIES.

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

Respiratory Protection:WHERE A LARGE NUMBER OF CELLS ARE INVOLVED AND ENVIRONMENTAL CONTROLS ARE LACKING USE A SELF-CONTAINED BREATHING APPARATUS.

Ventilation:SUBSEQUENT TO A FIRE,USE AS MUCH VENTILATION AS POSSIBLE.

Protective Gloves:RUBBER,NEOPRENE,LATEX(FOR LEAKERS).

Eye Protection:SAFETY GLASSES(FOR LEAKERS).

Other Protective Equipment:MANUFACTURER STATES NONE.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health
NONE

===== Physical/Chemical Properties =====
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HCC:N1

Melt/Freeze Pt:M.P/F.P Text:680F(KOH)

Spec Gravity:2.0 (KOH)

Solubility in Water:INSOLUBLE

Appearance and Odor:CYLINDRICAL SEALED BATTERY

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:HIGH HEAT,SOURCES OF IGNITION,SHORTING.DO NOT DISASSEMBLE.

Hazardous Decomposition Products:POTASSIUM HYDROXIDE VAPORS.

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

tions =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.DO NOT INCINERATE CELLS;THEY MAY EXPLODE.LARGE NUMBERS OF CELLS MAY BE TREATED AS HAZARDOUS WASTE.

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