

BREN-TRONICS INC -- BB-390A/U NICKEL METAL HYDRIDE BATTERY -- 6140-01-419-8187

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Product Identification
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Product ID:BB-390A/U NICKEL METAL HYDRIDE BATTERY

MSDS Date:04/22/1996

FSC:6140

NIIN:01-419-8187

MSDS Number: CFGVG

=== 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: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:NICKEL (SUSPECTED ANIMAL/HUMAN CARCINOGEN BY IARC GROUP 2B,
SUSPECTED CARCINOGEN BY NTP) *97-2*

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 31-35.5%

Other REC Limits:1 MG/CUM

OSHA PEL:1 MG/CUM

ACGIH TLV:0.05 MG

/CUM IC

Ingred Name:COBALT (ANIMAL CARCINOGEN BY IARC - GROUP 2B) *97-2*
CAS:7440-48-4
RTECS #:GF8750000
Fraction by Wt: 3-3.8%
Other REC Limits:0.05 PPM
OSHA PEL:0.1 MG/CUM
ACGIH TLV:0.05 MG/CUM

Ingred Name:MANGANESE *97-2*
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 0.9-1.5%
OSHA PEL:5 MG/CUM
ACGIH TLV:5 MG/CUM (DUST)

Ingred Name:POTASSIUM HYDROXIDE
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 2.4-2.8%
Other REC Limits:2 MG/CUM (CEILING)
OSHA PEL:2 MG/CUM
ACGIH TLV:2 MG/CUM (C
EILING)
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:LANTHANUM *97-2*
CAS:7439-91-0
Fraction by Wt: 3.5-5.5%

Ingred Name:PRASEODYMIUM *97-2*
CAS:7440-10-0
Fraction by Wt: 0.8-1.4%

Ingred Name:NEODYMIUM *97-2*
CAS:7440-00-8
RTECS #:QO8575000
Fraction by Wt: 3-4.6%

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chr

onic:ELECTROLYTE-CAUSTIC. MAY CAUSE SKIN/EYE IRRITATION. POTASSIUM HYDROXIDE-MAY CAUSE SKIN & EYE CHEMICAL BURNS.

Explanation of Carcinogenicity:SEE INGREDIENTS.

Effects of Overexposure:ELECTROLYTE-IRRITATION. POTASSIUM HYDROXIDE-CHEMICAL BURNS.

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

First Aid:EYES/SKIN: FLUSH W/PLENTY OF RUNNING WATER FOR 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

===== Fire Fighting Measures =====
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Extinguishing Media:WATER, CO2, SAND.

Fire Fighting Procedures:WEAR A SCBA, PROTECTIVE GLOVES & EYE PROTECTION.

Unusual Fire/Explosion Hazard:NICKEL FUMES MAY BE RELEASED DURING BURNING. CONTENTS MAY IGNITE WHEN EXPOSED TO AIR IF CELLS ARE DISASSEMBLED.

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

Spill Release Procedures:FLUSH ELECTROLYTE W/WATER. AVOID EYE & SKIN CONTACT.

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

Hand

ling and Storage Precautions:AVOID MECHANICAL/ELECTRICAL ABUSE. DON'T SHORT CIRCUIT. DON'T DISASSEMBLE CELLS, CONTENTS MAY IGNITE WHEN EXPOSED TO AIR.

Other Precautions:AVOID INCINERATION/UNUSUAL HIGH CURRENT CHARGE/REVERSE CHARGE WHICH MAY CAUSE FIRE/RUPTURE.

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

Respiratory Protection:WEAR A SCBA WHEN LARGE NUMBER OF CELLS ARE INVOLVED IN A FIRE.

Ventilation:AS MUCH AS POSSIBLE.

Protective Gloves:NEOPRENE, RUBBER

R/LATEX NITRILE

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE

Supplemental Safety and Health

PHYSICAL CHARACTERISTIC INFORMATION IS FOR NICKEL. EACH CELL IS A
SEALED CONTAINER. BOILING POINT INFORMATION IS FOR COBALT.

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

HCC:Z7

Boiling Pt:B.P. Text:5198F(SUPP)

Melt/Freeze Pt:M.P/F.P Text:2647.4F

Vapor Pres:1 (SUPP)

Spec Gravity:8.9 (SUPP)

Solubility in Water:0% (SUPP)

Appearance and Odor:SILVERY-WHITE METAL.
(SUPP)

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:DISASSEMBLY, HEAT.

Hazardous Decomposition Products:BY BURNING: NICKEL FUMES. BY
INCINERATION/MULILATION: TOXIC MATERIAL.

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

Waste Disposal Methods:DISPOSE OF IAW/FEDERAL, STATE & LOCAL
REGULATIONS.

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