

BREN-TRONICS -- NICKEL-CADMIUM BATTERY, SEALED BB-557/U -- 6140-01-071-5070

===== Product Identification =====

Product ID:NICKEL-CADMIUM BATTERY, SEALED BB-557/U

MSDS Date:08/05/1993

FSC:6140

NIIN:01-071-5070

MSDS Number: BRZYY

=== 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

Preparer's Name:CECOM SAFETY OFFICE

CAGE:DO086

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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

===== Composition/Information on Ingredients =====

Ingred Name:CADMIUM (SARA III)

CADMIUM & CADMIUM HYDROXIDE 11-26%

CAS:7440-43-9

RTECS #:EU9800000

Fraction by Wt: 11-26%

Other

REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1027
ACGIH TLV:0.01 MG/M3 DUST;9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM HYDROXIDE
CADMIUM & CADMIUM HYDROXIDE 11-26%
CAS:21041-95-2
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3 (CD FUME)
ACGIH TLV:0.05 MG/M3 (CD FUME)

Ingred Name:COBALT (SARA III)
COBALT & COBALT HYDROXIDE (TRACE AMOUNTS)
CAS:7440-48-4
RTECS #:GF8750000
Fraction by Wt: TRACE
Other REC Limits:NONE RECOMMENDED
OSHA PE
L:0.1 MG/M3;AS CO
ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:COBALT HYDROXIDE
COBALT & COBALT HYDROXIDE (TRACE AMOUNTS)
CAS:21041-93-0
Other REC Limits:NONE RECOMMENDED

Ingred Name:NICKEL (SARA III)
NICKEL AND NICKEL HYDROXIDE 13-29%
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 13-29%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9293

Ingred Name:NICKEL HYDROXIDE (SARA III)
NICKEL & NICKEL HYDROXIDE 13-29%
CAS:12

054-48-7
RTECS #:QR7040000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG NI/M3
ACGIH TLV:0.1 MG NI/M3; 9293
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: < 3%
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

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of E
ntry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:INTACT BATTERIES PRESENT NO SPECIFIC
HAZARDS. BURNING BATTERIES MAY EMIT TOXIC FUMES. LEAKING
BATTERIES LEAK CORROSIVE MATERIAL IRRITATING TO SKIN, EYES AND
MUCOUS MEMBRANES
Explanation of Carcinogenicity:CD, NI, ARE NTP SUSPECT CARCINOGENS. CD
IS IARC CARCINOGEN.
Effects of Overexposure:ELECTROLYTE EXPOSURE TO SKIN/EYES WILL CAUSE
SEVERE I
RRITATION. INHALATION OF FUMES MAY CAUSE SEVERE
RESPIRATORY IRRITATION.
Medical Cond Aggravated by Exposure:RESPIRATORY ALIMENTS- W/BURNING
BATTERIES SKIN CONDITIONS- W/ LEAKING BATTERIES

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

First Aid:IF BATTERY CONTENTS COME IN CONTACT WITH THE BODY WASH
AFFECTED AREA FOR AT LEAST 15 MINUTES WITH CLEAN WATER.DO NOT
ATTEMPT TO NEUTRALIZE. SEEK MEDICAL ATTENTION PROMPTLY.

===== Fire Fighting Me

asures =====

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

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

Unusual Fire/Explosion Hazard:STRONG OXIDERIZERS (E.G.,ACIDS) AND FIRE.

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

Spill Release Procedures:SPILL OR LEAK PROCEDURES (PRECAUTIONS FOR SAFE
HAND

LING & USE) AVOID SKIN OR EYE CONTACT. USE NON FLAMMABLE
ABSORBENT MATERIAL FOR CLEAN-UP. COORDINATE WITH INSTALLATION
SAFETY AND ENVIRONMENTAL OFFIC ES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT ABUSE OR SHORT CIRCUIT. STORE
COOL, DRY AND IN A WELL VENT AREA. SEPARATE FROM OTHER HAZARDOUS
MATERIALS. AREA APPROVED BY LOCAL FIRE DEPARTM

Other Precautions:DO NOT IN
VERT BATTERY OR CAUSE TO SPILL. RECHARGE
IAW METHODS SPECIFIED IN APPLICIABLE TECHNICAL MANUAL. DO NOT
OVERCHARGE.

===== 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:CHEMICAL SAFETY GLASSES/GOGGLES

Other Protective Equipment:CHEMICAL RESIS
TANT APRON

Work Hygienic Practices:AVOID SKIN EYE CONTACT WITH ELECTROLYTE. DO NOT
EAT OR SMOKE IN BATTERY SERVICE AREA.

Supplemental Safety and Health

CONTRACT # DAAB07-91-C-R002 THIS MSDS WAS CODED FROM A CECOM MATERIAL
SAFETY DATA SHEET NOT THE MANUFACTUERS. CECOM SAFETY OFFICE, FT
MONMOUTH, NJ 07703-5024 AUTOVON 995-3112.

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

pH:UNK

Appearance and Odor:NICKEL-CADMIUM BATTERY,SEALED

Percent Volatiles by Volume:U

NK
Corrosion Rate:UNK

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS (E.G., ACIDS). STORE SEPARATELY FROM OTHER
HAZARDOUS MATERIALS
Stability Condition to Avoid:FIRE AND EXTREME HEAT. DO NOT SHORT
CIRCUIT OR OVERCHARGE
Hazardous Decomposition Products:WHEN EXPOSED TO FIRE OR EXTREME HEAT,
BATTERIES MAY EMIT TOXIC 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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