

EVEREADY BATTERY CO INC -- NICKEL CADMIUM BATTERY -- 6140-01-070-7367

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

Product ID:NICKEL CADMIUM BATTERY

MSDS Date:08/03/1995

FSC:6140

NIIN:01-070-7367

MSDS Number: CFMRV

=== Responsible Party ===

Company Name:EVEREADY BATTERY CO INC

Address:25225 DETROIT RD

City:WESTLAKE

State:OH

ZIP:44145-2536

Country:US

Info Phone Num:216-835-7368

Emergency Phone Num:216-835-7

368

Preparer's Name:HR ERSKINE

CAGE:66571

=== Contractor Identification ===

Company Name:AMERICAN BATTERY ACID CORP.

Address:904 NORTH FRONT STREET

Box:City:MEMPHIS

State:TN

ZIP:38107

Country:US

Phone:901-525-1888

CAGE:3A536

Company Name:ENERGIZER POWER SYSTEMS (FORMALLY GATES ENERGY PRODUCTS
INC)

Address:US HWY 411 N

Box:147114

City:GAINESVILLE

State:FL

ZIP:32614-7114

Country:US

Phone:904-462-3911

CAGE:19209

Company Name:EVEREADY BATTERY CO INC

Address:25225 DETROIT ROAD

Box:City:WESTLAKE

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tate:OH
ZIP:44145
Country:US
Phone:440-835-7368
CAGE:66571

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Composition/Information on Ingredients
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Ingred Name:CADMIUM (SARA 313) (CERCLA) AS CADMIUM,CADMIUM HYDROXIDE
AND CADMIUM OXIDE.

CAS:7440-43-9
RTECS #:EU9800000
Fraction by Wt: 13-22%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.2 MG/M3 DUST; Z-2
ACGIH TLV:0.01 MG/M3 DUST;9596
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM OXIDE (SARA 302/313) (CERCLA)

CAS:1306-19-0
RTECS #:EV1925000
Other RE
C Limits:NONE RECOMMENDED
OSHA PEL:0.2 MG (CD)/M3 DUST
ACGIH TLV:0.01 MG(CD)/M3; 9596

Ingred Name:CADMIUM HYDROXIDE

CAS:21041-95-2
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.05 MG CD/M3
ACGIH TLV:0.05 MG CD/M3

Ingred Name:COBALT (SARA 313) AS COBALT,COBALT HYDROXIDE AND COBALT
OXIDE.

CAS:7440-48-4
RTECS #:GF8750000
Fraction by Wt: 0.5-2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.02 MG/M3; A3; 9596

Ingred Name:COBALT 2+ OXIDE

CAS:1307-96-6
RTECS #:GG2800000
Other R

EC Limits:NONE RECOMMENDED

Ingred Name:COBALT HYDROXIDE

CAS:21041-93-0

RTECS #:GG0904500

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.05 MG/M3 (CO)

ACGIH TLV:0.05 MG/M3 (CO)

Ingred Name:LITHIUM HYDROXIDE

CAS:1310-65-2

RTECS #:OJ6307070

Fraction by Wt: 0-4%

Other REC Limits:NONE RECOMMENDED

Ingred Name:NICKEL (SARA 313) (CERCLA) AS NICKEL,NICKEL HYDROXIDE AND
NICKEL OXIDE

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 20-32%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 M

G/M3; 9596

Ingred Name:NICKEL OXIDE

CAS:1313-99-1

RTECS #:QR8400000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3 AS NI

ACGIH TLV:1 MG/M3 AS NI

Ingred Name:NICKEL HYDROXIDE (SARA 313) (CERCLA)

CAS:12054-48-7

RTECS #:QR7040000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG(NI)/M3

ACGIH TLV:0.1 MG(NI)/M3; 9596

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 0-4%

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:SODIUM HYDROXIDE (CERCLA)
CAS:1310-73-2
RTECS #:WB4900000
Fraction by Wt: 0-4%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:C 2 MG/M3; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ART
ICL SWALLOWING A BATTERY OR ITS

COMPONENTS MAY CAUSE UPPER GI BURNS.CADMIUM MAY CAUSE LIVER AND KIDNEY DAMAGE.INHALATION OF CADMIUM FUMES MAY CAUSE METAL FUME FEVER;NICKEL MAY CAUSE HYPERSENSITIVITY.SKIN CONTACT MAY CAUSE IRRITATION BURNS OR HYPERSENSITIZATION.EYE CONTACT MAY CAUSE CHEMICAL BURNS.

Explanation of Carcinogenicity:NICKEL AND CADMIUM ARE LISTED BY NTP AND IARC.

Effects of Overexposure:INGEST:NAUSEA,PERSISTENT VOMITING,DIARRHEA, ABDOMINAL PAIN,DIZZINE
SS, FAINTNESS.INHAL:METAL FUME FEVER APPEARS AS FLU- LIKE SYMPTOMS.SKIN:ALLERGIC DERMATITIS.

Medical Cond Aggravated by Exposure:PERSONS WITH HYPERSENSITIVITY TO NICKEL OR CADMIUM MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.GET MEDICAL ATTENTION IF NEEDED.EYES:FLUSH WITH WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GIVE

OXYGEN

OR ARTIFICIAL RESPIRATION IF NEEDED.GET IMMEDIATE MEDICAL ATTENTION.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.NATIONAL BATTERY HOTLINE,202-625-3333.

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

Flash Point:NONE

Extinguishing Media:FLOOD AREA WITH WATER.METL-X WILL EXTINGUISH BURNING NI-CAD BATTERIES,HOWEVER BATTERIES MAY NEED TO BURN THEMSELVES OUT.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND

FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:EXPLOSIVE HYDROGEN GAS MAY BE GENERATED FROM THE FIRE CONTROL WATER.TOXIC FUMES MAY BE EVOLVED IN A FIRE.

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

Spill Release Procedures:COLLECT BATTERIES,PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.USE PROPER PROTECTIVE EQUIPMENT WHEN HANDLING BROKEN BATTERIES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions:DO NOT SUBJECT TO PHYSICAL ABUSE,OVERCHARGING,SHORTING. DO NOT PLACE BATTERIES IN A SEALED CONTAINER;EXPLOSIVE HYDROGEN GAS CAN ACCUMULATE.

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

Respiratory Protection:NOT NEEDED IN NORMAL SERVICE.

Ventilation:NOT NEEDED IN NORMAL SERVICE.

Protective Gloves:NEOPRENE OR NBR FOR LEAKERS.

Eye Protection:SAFETY GLASSES WITH SIDESHIELDS(LEAKERS)

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH.

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

Supplemental Safety and Health

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:SEALED PLASTIC

CASED BATTERY;1.310 X 2.35 INCHES
(CYLINDRICAL); 1.2 VOLTS.

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

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

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: NICKEL, NICKEL OXIDES, CADMIUM, CADMIUM
OXIDES, COBALT OXIDES.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, S
TATE AND
LOCAL REGULATIONS. RCRA CODE D006 (CADMIUM) APPLIES TO THESE
BATTERIES. THE FEDERAL UNIVERSAL WASTE LAW (40 CFR 273) GOVERNS
RECYCLING.

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