

ENERGIZER/EVEREADY -- ENERGIZER RECHARGABLE POWER SYSTEMS BATTERY --
6140-01-400-2902

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

Product ID:ENERGIZER RECHARGABLE POWER SYSTEMS BATTERY

MSDS Date:08/03/1995

FSC:6140

NIIN:01-400-2902

MSDS Number: CGLHP

=== Responsible Party ===

Company Name:ENERGIZER/EVEREADY

Address:US HIGHWAY 441N

City:ALACHUA

State:FL

ZIP:32615

Country:US

Emergency Phone Num:216-835-7368

CAGE:NO609

=== Contractor Identification ===

Company Name:ENERGIZER/EVEREADY

Address:US HIGHWAY 441N

Box:City:ALACHUA

State:FL

ZIP:32615

Country:US

CAGE:NO609

Company Name:EVEREADY BATTERY CO INC

Address:25225 DETROIT ROAD

Box:City:WESTLAKE

State:OH

ZIP:44145

Country:US

Phone:440-835-7368

CAGE:66571

Company Name:ROCKWELL INTL CORP COLLINS AVIONICS & COMM DIV

Address:350 COLLINS RD NE

Box:7922

City:CEDAR RAPIDS

State:IA

ZIP:52498

Country:US

CAGE:13499

===== Composition/Information on I

ngredients =====

Ingred Name:CADMIUM (SARA 313) (CERCLA);INGREDIENTS 1+2+3=13-22%

CAS:7440-43-9

RTECS #:EU9800000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 MG/M3 DUST; Z-2

ACGIH TLV:0.01 MG/M3 DUST;9495

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

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

1+2+3=13-22%

CAS:1306-19-0

RTECS #:EV1925000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 MG (CD)/M3 DUST

ACGIH TLV:0.01 MG(CD)/M3; 9495

Ingred Name:CADMIUM HYDROXIDE;INGREDI

ENTS 1+2+3=13-22%

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);INGREDIENTS 4+5+6=0.5-2%

CAS:7440-48-4

RTECS #:GF8750000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.02 MG/M3; A3; 9495

Ingred Name:COBALT 2+ OXIDE;INGREDIENTS 4+5+6=0.5-2%

CAS:1307-96-6

RTECS #:GG2800000

Other REC Limits:NONE RECOMMENDED

Ingred Name:COBALT HYDROXIDE;INGREDIENTS 4+5+6=0.5-2%

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);INGREDIENTS 8+9+10=20-32%

CAS:7440-02-0

RTECS #:QR5950000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9495

Ingred Name:NICKEL OXIDE;INGREDIENTS 8+9+10=20-32%

CAS:1313-99-1

RTECS #:QR8400000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 M

G/M3 AS NI

ACGIH TLV:1 MG/M3 AS NI

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

8+9+10=20-32%

CAS:12054-48-7

RTECS #:QR7040000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG(NI)/M3

ACGIH TLV:0.1 MG(NI)/M3; 9495

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; 9495

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; 9495

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:ARTICLE EYES:CONTENTS MAY CAUSE SEVERE IRRITATION OR BURNS.SKIN:CONTENTS MAY CAUSE

CHEMICAL BURNS AND

SENSITIZATION.INGEST:CONTENTS MAY CAUSE GI TRACT BURNS.CADMIUM IS TOXIC AND MAY DAMAGE LIVER AND K IDNEYS.INHAL:CONTENTS MAY CAUSE METAL FUME FEVER AND NICKEL HYPERSENSITIVITY(PULMONARY ASTHMA).

Explanation of Carcinogenicity:CONTAINS CADMIUM [7440-43-9] WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA.NICKEL AND COBALT LISTED NTP AND IARC

Effects of Overexposure:INGEST:SALIVATION,CHOKING,NAUSEA,PERSISTENT VOMITING,ABDOMINAL PAIN,DIZZINESS,FAIN

TNESS,UNCONSCIOUSNESS.SKIN:CONTACT DERMATITIS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.SEEK IMMEDIATE MEDICAL ATTENTION FOR CHEMICAL BURNS.EYES: FLUSH WITH WATER FOR 15 MINUTES.SEEK MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GI VE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.CALL THE NATIONAL BATTERY HOTLINE;202-625-3333.

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===== 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.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.

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===== Accidental Release Measures

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Spill Release Procedures:SOAK UP SPILLED LIQUID WITH NON-COMBUSTIBLE
INERT ADSORBANT(EG.CLAY);PLACE COLLECTED MATERIAL IN AN APPROPRIATE
CONTAINER FOR DISPOSAL;CLEAN SPILL AREA.
Neutralizing Agent:NOT REPORTED.

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Handling and Storage

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED
PLACE.
Other Precautions:AVOID SHORT CIRCUITING(THIS BATTERY DELIVERS VERY
HIGH SHORT CIRCUIT CURRENT).DO NOT MIX
WITH OTHER BATTERY TYPES.

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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 W/SIDESHIELDS FOR LEAKERS
Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A
LOCAL EYE WASH STATION AND SAFETY SHOWER.
Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS
PRODUCT.WASH HANDS AFTER USE
AND BEFORE EATING.
Supplemental Safety and Health
NONE

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Physical/Chemical Properties

HCC:N1
Solubility in Water:INSOLUBLE
Appearance and Odor:DRY,SEALED BATTERY

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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 O

XIDES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.RCRA CODE IS D006(CADMIUM).

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