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ENERGIZER POWER SYSTEMS -- ENERGIZER RECHARGEABLE POWER SYSTEMS BATTERY -- 6140-01-165-2073

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

Product ID:ENERGIZER RECHARGEABLE POWER SYSTEMS BATTERY

MSDS Date:11/29/1994

FSC:6140

NIIN:01-165-2073

MSDS Number: BXJXR === Responsible Party ===

Company Name: ENERGIZER POWER SYSTEMS

Address: US HIGHWAY 441N

City:ALACHUA

State:FL ZIP:32615 Country:US

Info Phone Num:904-46 2-3911 OR 216-835-7368

Emergency Phone Num:904-462-3911 Preparer's Name:JOANN RAULERSON

CAGE:EO263

=== Contractor Identification ===

Company Name: ENERGIZER POWER SYSTEM, DIV. OF EVEREADY BATTERY

Address: US HIGHWAY 441N

Box:City:ALACHUA

State:FL ZIP:32615 Country:US

Phone:440-835-7368

CAGE:EO263 Box:UNKNOW CAGE:ENER1

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

Ingred Name:CADMIUM OXIDE (SARA III) THE CADMIUM INGREDIENTS (1, 2 & 3) TOTAL 13 TO 22%

CAS:1306-19-0

RTEC

S #:EV1925000

Fraction by Wt: 13-22%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.2 MG (CD)/M3 DUST ACGIH TLV:0.01 MG(CD)/M3; 9394

Ingred Name: CADMIUM HYDOXIDE

CAS:21041-95-2

Fraction by Wt: SEE #1%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.2 MG/M3 (AS CD) ACGIH TLV:0.01 MG/M3 (AS CD)

Ingred Name: CADMIUM HYDROXIDE

CAS:21041-95-2

Fraction by Wt: SEE #1%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.05 MG CD/M3 ACGIH TLV:0.05 MG CD/M3

Ingred Name: COBALT (SARA 313) COBALT INGREDIENTS (4, 5 &

6) TOTAL 0.5 TO 2%.

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; 9495

Ingred Name: COBALT HYDROXIDE

CAS:21041-93-0 RTECS #:GG0904500

Fraction by Wt: SEE #4%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.05 MG/M3 (CO) ACGIH TLV:0.05 MG/M3 (CO)

Ingred Name: COBALT OXIDE

CAS:1307-96-6

RTECS #:GG2800000 Fraction by Wt: SEE #4%

Other REC Limits: NONE RECOMMENDED

Ingred Name: NICKEL (SARA 313) (CERCLA) THE NICKE

L INGREDIENTS (7, 8 & 9) TOTAL 20 TO 32%.

CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: 20-32%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9495

Ingred Name: NICKEL OXIDE

CAS:1313-99-1

RTECS #:QR8400000 Fraction by Wt: SEE #7%

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 Fraction by Wt: SEE #7%

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 ===========
LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES Health Hazards Acute and Chronic:UNDER NORMAL CONDITIONS OF USE THE BATTERY IS HEREMETICALLY SEALED. BATTERY IS CONSIDERED BY MFR TO BE AN ARTICLE AS DEFINED BY OSHA. IF BATTERY CASE IS BROKEN, CONTENTS MAY CAUSE IRRITATION &/OR BURN S TO BODY TIS SUES CONTACTED.
CONTENTS CONTAIN TOXIC COMPOUNDS.
Explanation of Carcinogenicity:NICKEL,CADMIUM,COBALT & THEIR COMPOUNDS ARE LISTED AS POSSIBLE CARCINOGENS BY IARC, NTP & OSHA. SEE INDIVIDUAL REPORTS.
Effects of Overexposure:SYMPTOMS OF CONTACT W/BATTERY INTERNALS: INHALED:COUGHING, WHEEZING, SHORTNESS OF BREATH. INGESTED:SALIVATION, CHOKING, NAUSEA, PERSISTENT VOMITING, DIARRHEA, ABDOMINAL PAIN, DIZZINESS, FAINTNESS, UNC ONSCIOUSNESS. SKIN:BURNS, ITCHING, REDNESS, SW ELLING, RASH. EYES:BURNS, PAIN, REDNESS, TEARING.
Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION ON MSDS.
======================================
First Aid:INGESTION:DO NOT INDUCE VOMITING NOR GIVE FOOD OR DRINK. GET MEDICAL ATTENTION & CALL NATIONAL BATTERY INGESTION HOTLINE (202-625-3333) COLLECT, DAY OR NIGHT. INHALATION:PROVIDE FRESH AIR AND CALL A D OCTOR. SKIN:REMOVE CONTAMINATED CLOTHING & WASH SKIN WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF NEEDED. EYE:FLUSH
EYES THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL

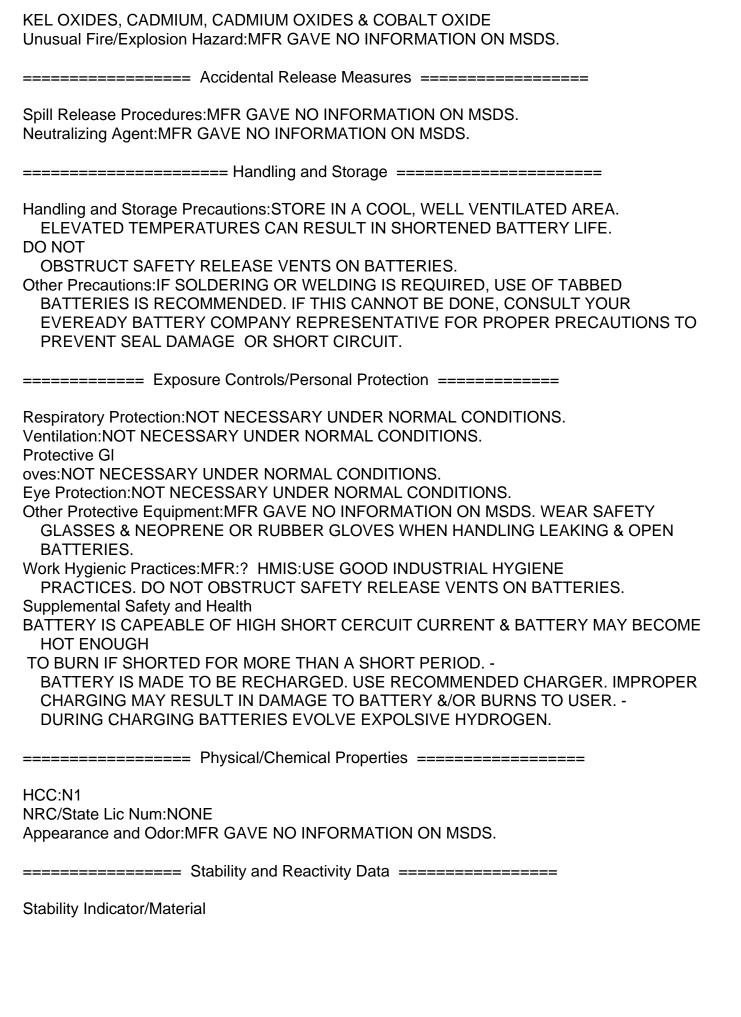
ATTENTION.

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

Flash Point: NON FLAMMABLE

Extinguishing Media: ANY CLASS OF EXTINGUISHING MEDIUM MAY BE USED. COOL EXTERIOR OF BATTERIES IF EXPOSED TO FIRE TO PREVENT RUPTURE.

Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR SCBA. BURNING NICKEL-CADMIUM BATTERIES CAN PRODUCE TOXIC FUMES INCLUDING, NICKEL, NIC



s 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 OXIDE FUMES.

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

Waste Disposal Methods:DISPOSE OF I/A/W ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. THIS BATTERY, AS A WASTE, IS REGULATED BY THE RESOURCE CONSERVATION AND RECOVERY ACT [RCRA] AS A D006 [CADMIUM

] HAZARDOUS WASTE.

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