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

===

========== 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 Measures ==========

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

KEL OXIDES, CADMIUM, CADMIUM OXIDES & COBALT OXIDE
Unusual Fire/Explosion Hazard:MFR GAVE NO INFORMATION ON MSDS.

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

Spill Release Procedures:MFR GAVE NO INFORMATION ON MSDS.
Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

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

Handling and Storage Precautions:STORE IN A COOL, WELL VENTILATED AREA.
ELEVATED TEMPERATURES CAN RESULT IN SHORTENED BATTERY LIFE.
DO NOT
OBSTRUCT SAFETY RELEASE VENTS ON BATTERIES.
Other Precautions:IF SOLDERING OR WELDING IS REQUIRED, USE OF TABBED
BATTERIES IS RECOMMENDED. IF THIS CANNOT BE DONE, CONSULT YOUR
EVEREADY BATTERY COMPANY REPRESENTATIVE FOR PROPER PRECAUTIONS TO
PREVENT SEAL DAMAGE OR SHORT CIRCUIT.

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

Respiratory Protection:NOT NECESSARY UNDER NORMAL CONDITIONS.
Ventilation:NOT NECESSARY UNDER NORMAL CONDITIONS.
Protective Gl
oves:NOT NECESSARY UNDER NORMAL CONDITIONS.
Eye Protection:NOT NECESSARY UNDER NORMAL CONDITIONS.
Other Protective Equipment:MFR GAVE NO INFORMATION ON MSDS. WEAR SAFETY
GLASSES & NEOPRENE OR RUBBER GLOVES WHEN HANDLING LEAKING & OPEN
BATTERIES.
Work Hygienic Practices:MFR:? HMIS:USE GOOD INDUSTRIAL HYGIENE
PRACTICES. DO NOT OBSTRUCT SAFETY RELEASE VENTS ON BATTERIES.
Supplemental Safety and Health
BATTERY IS CAPEABLE OF HIGH SHORT CERCUIT CURRENT & BATTERY MAY BECOME
HOT ENOUGH
TO BURN IF SHORTED FOR MORE THAN A SHORT PERIOD. -
BATTERY IS MADE TO BE RECHARGED. USE RECOMMENDED CHARGER. IMPROPER
CHARGING MAY RESULT IN DAMAGE TO BATTERY &/OR BURNS TO USER. -
DURING CHARGING BATTERIES EVOLVE EXPOLSIVE HYDROGEN.

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

HCC:N1
NRC/State Lic Num:NONE
Appearance and Odor:MFR GAVE NO INFORMATION ON MSDS.

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

Stability Indicator/Material

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.