

ENERGIZER RECHARGEABLE POWER SYSTEMS BATTERY

MSDS Number

BXJXR

National Stock Number

6140-01-165-2073

Product Name

ENERGIZER RECHARGEABLE POWER SYSTEMS BATTERY

Manufacturer

ENERGIZER POWER SYSTEMS

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

ENERGIZER POWER SYSTEMS

US HIGHWAY 441N

ALACHUA , FL 32615

US

Emergency Phone: 904-462-3911

Info Phone: 904-462-3911 OR 216-835-7368

Preparer: JOANN RAULERSON

Cage: EO263

Contractor

ENERGIZER POWER SYSTEM, DIV. OF EVEREADY BATTERY

UNKNOWN

ALACHUA, FL 32615

US

440-835-7368

Cage: ENER1

Ingredients

CADMIUM OXIDE (SARA III) THE CADMIUM INGREDIENTS (1, 2 &

CAS: 1306-19-0

RTECS: EV1925000

Fraction By Weight: 13-22%

OSHA PEL0.2 MG (CD)/M3 DUST

ACGIH TLV: 0.01 MG(CD)/M3; 9394

CADMIUM HYDOXIDE

CAS: 21041-95-2

Fraction By Weight: SEE #1%

OSHA PEL0.2 MG/M3 (AS CD)

ACGIH TLV: 0.01 MG/M3 (AS CD)

CADMIUM HYDROXIDE

CAS: 21041-95-2

Fraction By Weight: SEE #1%

OSHA PEL0.05 MG CD/M3

ACGIH TLV: 0.05 MG CD/M3

COBALT (SARA 313) COBALT INGREDIENTS (4, 5 & 6) TOTAL 0.5

CAS: 7440-48-4

RTECS: GF8750000

Fraction By Weight: 0.5-2%

OSHA PEL0.1 MG/M3

ACGIH TLV: 0.02 MG/M3; A3; 9495

COBALT HYDROXIDE

CAS: 21041-93-0

RTECS: GG0904500

Fraction By Weight: SEE #4%

OSHA PEL0.05 MG/M3 (CO)

ACGIH TLV: 0.05 MG/M3 (CO)

COBALT OXIDE

CAS: 1307-96-6

RTECS: GG2800000

Fraction By Weight: SEE #4%

NICKEL (SARA 313) (CERCLA) THE NICKEL INGREDIENTS (7, 8 &

CAS: 7440-02-0

RTECS: QR5950000

Fraction By Weight: 20-32%

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3; 9495

NICKEL OXIDE

CAS: 1313-99-1

RTECS: QR8400000

Fraction By Weight: SEE #7%

OSHA PEL1 MG/M3 AS NI

ACGIH TLV: 1 MG/M3 AS NI

NICKEL HYDROXIDE (SARA 313) (CERCLA)

CAS: 12054-48-7

RTECS: QR7040000

Fraction By Weight: SEE #7%

OSHA PEL1 MG(NI)/M3

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

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

POTASSIUM HYDROXIDE (CERCLA)

CAS: 1310-58-3

RTECS: TT2100000

Fraction By Weight: 0-4%

OSHA PELC 2 MG/M3

ACGIH TLV: C 2 MG/M3; 9495

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

SODIUM HYDROXIDE (CERCLA)

CAS: 1310-73-2

RTECS: WB4900000

Fraction By Weight: 0-4%

OSHA PEL2 MG/M3

ACGIH TLV: C 2 MG/M3; 9495

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

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 HERMETICALLY 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 TISSUES 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, UNCONSCIOUSNESS. SKIN:BURNS, ITCHING, REDNESS, SWELLING, RASH. EYES:BURNS, PAIN, REDNESS, TEARING.

Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION ON MSDS.

First Aid

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 DOCTOR. 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

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, NICKEL OXIDES, CADMIUM, CADMIUM OXIDES & COBALT OXIDE

Unusual Fire/Explosion Hazard:MFR GAVE NO INFORMATION ON MSDS.

Accidental Release

Spill Release Procedures:MFR GAVE NO INFORMATION ON MSDS.

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

Handling

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

Respiratory Protection:NOT NECESSARY UNDER NORMAL CONDITIONS.

Ventilation:NOT NECESSARY UNDER NORMAL CONDITIONS.

Protective Gloves: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.

Chemical Properties

HCC:N1

NRC/State Lic Num:NONE

Appearance and Odor:MFR GAVE NO INFORMATION ON MSDS.

Stability

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 OXIDE FUMES.

Disposal

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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