

ENERGIZER POWDER SYSTEMS,DIV. OF EVEREADY BATTERY -- NICKEL CADMIUM BATTERY,EA
1 C 947 D 1 -- 6140-01-111-9826

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

Product ID:NICKEL CADMIUM BATTERY,EA 1 C 947 D 1

MSDS Date:08/03/1995

FSC:6140

NIIN:01-111-9826

MSDS Number: CBQQY

=== Responsible Party ===

Company Name:ENERGIZER POWDER SYSTEMS,DIV. OF EVEREADY BATTERY

Address:US HIGHWAY 441N

City:ALACHUA

State:FL

Z

IP:32615

Country:US

Info Phone Num:216-835-7368

Emergency Phone Num:216-835-7368

CAGE:MO949

=== Contractor Identification ===

Company Name:ENERGIZER POWDER SYSTEMS,DIV. OF EVEREADY BATTERY

Address:US HIGHWAY 441N

Box:City:ALACHUA

State:FL

ZIP:32615

Country:US

Phone:216-835-7368

CAGE:MO949

Company Name:ENGINEERED ASSEMBLIES AND COMPONENTS CORP

Address:5289 CAPITAL BLVD

Box:City:RALEIGH

State:NC

ZIP:27604-2925

Country:US

Phone:919-790-9700

CAGE:0AC65

===== Composition/Information on Ingr

edients =====

Ingred Name:CADMIUM (SARA 313) (CERCLA); TOTAL PERCENTAGE OF
INGREDIENTS 1, 2 AND 3: 13 - 22.

CAS:7440-43-9

RTECS #:EU9800000

Fraction by Wt: SEE ING

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

Fraction by Wt: SEE # 1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 MG (CD)/M3 DUST

ACGIH TLV:0.01 MG(C

D)/M3; 9596

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); TOTAL PERCENTAGE OF INGREDIENTS 4, 5 AND
6: 0.5 - 2.

CAS:7440-48-4

RTECS #:GF8750000

Fraction by Wt: SEE ING

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

Fraction by Wt: SEE # 4%

Other REC Limits:NO

NE RECOMMENDED

Ingred Name:COBALT (II) HYDROXIDE

CAS:21041-93-0

RTECS #:GG0904500

Fraction by Wt: SEE # 4%

Other REC Limits:NONE RECOMMENDED

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); TOTAL PERCENTAGE OF INGREDIENTS
8, 9 AND 10:20 - 32.

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: SEE ING

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9596

Ingred N

ame:NICKEL OXIDE

CAS:1313-99-1

RTECS #:QR8400000

Fraction by Wt: SEE # 8%

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 # 8%

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

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===== Hazards Identification =====
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LD50 LC50 Mixture:NOT RELEVANT
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:N
TP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:UNDER NORMAL CONDITIONS OF USE, THE BATTERY IS HERMETICALLY SEALED. TARGET ORGANS:EYES, SKIN, RESPIRATORY AND GI TRACTS. ACUTE- INGESTION CAN BE HARMFUL. CONTENTS OF AN OPEN BATTERY CAN CAUSE SERIOUS CHEMICAL BURNS OF GI TRACT, EYES, SKIN AND RESPIRATORY TRACT. CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:CONTAINS CADMIUM [7440-43-9] WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.
C
CONTAINS NICKEL.
Effects of Overexposure:NONE IF BATTERY IS NOT BROKEN OR IN FIRE. IF BURNED OR LEAKING: SEVERE IRRITATION, CHEMICAL BURNS, PAIN, NAUSEA, VOMITING, DIARRHEA, DIZZINESS, FAINTNESS, UNCONSCIOUSNESS, ALLERGIC PULMONARY ASTHMA
Medical Cond Aggravated by Exposure:NOT RELEVANT

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===== First Aid Measures =====
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First Aid:IF INGESTED, DO NOT INDUCE VOMITING NOR GIVE FOOD/DRINK. SEEK MEDICAL ATTENTION IMMEDIATELY. CALL NATIONAL BATTERY I

NGESTION

HOTLINE FOR ADVICE (202-625-3333) COLLECT DAY/NIGHT. IF INHALED, PROVIDE FR ESH AIR & CALL A DOCTOR. IF SKIN IS CONTAMINATED, REMOVE CLOTHING & WASH SKIN WITH SOAP & WATER. IF IRRITATION PERSISTS, SEE DOCTOR. FOR EYE, FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES. SEE DOCTOR.

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

Flash Point:NOT RELEVANT

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL EXTERIOR OF BATTERIES IF EXPOSED TO FIRE TO PREVENT RUPTURE.

Unusual Fire/Explosion Hazard:BATTERIES MAY RUPTURE.

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

Spill Release Procedures:IF BROKEN, COLLECT AND TRANSFER TO PROPER CONTAINER FOR DISPOSAL. WEAR GLOVES.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, WELL VENTILATED AREA. ELEVATED TEMPERATURES CAN RESULT IN SHORTENED BATTERY LIFE. KEEP OUT OF REACH OF SMALL CHILDREN.

Other Precautions:DO NOT OPEN BATTERY. DO NOT DISPOSE IN FIRE.

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

Respiratory Protection:NOT NECESSARY UNDER NORMAL CONDITIONS.

Ventilation:NOT NECESSARY UNDER NORMAL CONDITIONS.

Protective Gloves:

NATURAL RUBBER IF HANDLING LEAKERS

Eye Protection:SAFETY GLASSES+SIDE SHIELDS FOR LEAKERS

Other Protective Equipment:NOT NECESSARY UNDER NORMAL CONDITIONS.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

THE MANUFACTURER STATES THIS BATTERY IS AN ARTICLE AND, AS SUCH, IS NOT SUBJECT TO OSHA HAZARD COMMUNICATION STANDARD REQUIREMENT FOR PREPARATION OF A MATERIAL SAFETY DATA SHEET. AS AN ARTICLE, THIS B ATTE

RY AND ITS CONTENTS ARE NOT SUBJECT TO THE REQUIREMENTS OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT.

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

HCC:N1
NRC/State Lic Num:NOT RELEVANT
Decomp Temp:Decomp Text:NOT KNOWN
Spec Gravity:NOT RELEVANT
Viscosity:NOT RELEVANT
Evaporation Rate & Reference:NOT RELEVANT
Solubility in Water:NOT RELEVANT
Appearance and Odor:BATTERY/ARTICLE - ODORLESS

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

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Stability Indicator/Materials to Avoid:YES
NOT KNOWN
Stability Condition to Avoid:EXCESSIVE HEAT
Hazardous Decomposition Products:NOT KNOWN

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

Waste Disposal Methods:DISPOSE IN LANDFILL OR APPROPRIATE INCINERATION FACILITY IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. RECYCLING RECOMMENDED. CALL 1-800-8-BATTERY.

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