

GATES ENERGY PRODUCTS INC \*(SEE ADDITIONAL DATA)\* -- ENERGIZER RECHARGEABLE  
POWER SYSTEMS BATTERY -- 6140-01-013-8574

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

Product ID:ENERGIZER RECHARGEABLE POWER SYSTEMS BATTERY

MSDS Date:11/29/1994

FSC:6140

NIIN:01-013-8574

MSDS Number: CBTCQ

=== Responsible Party ===

Company Name:GATES ENERGY PRODUCTS INC \*(SEE ADDITIONAL DATA)\*

Address:US HWY 441 N

Box:147114

City:GAINESVILLE

State:FL

ZIP:32614-7114

Country:US

Info Phone Num:

904-462-3911

Emergency Phone Num:904-462-3911/816-429-2165

CAGE:19209

=== Contractor Identification ===

Company Name:ENERGIZER POWER SYSTEMS (216-835-7368)

Box:UNKNOW

CAGE:ENEPS

Company Name:ENERGIZER POWER SYSTEMS (FORMALLY GATES ENERGY PRODUCTS  
INC)

Address:US HWY 411 N

Box:147114

City:GAINESVILLE

State:FL

ZIP:32614-7114

Country:US

Phone:904-462-3911

CAGE:19209

Company Name:NETEX INDUSTRIES(FORMER NORTHEAST TEXAS IND)

Address:1700 NORTH EDWARDS STREET

Box:City:MOUNT PLEASANT

State:TX

ZIP:7

5455  
Country:US  
Phone:903-577-0388  
CAGE:0WAG0

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

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

CAS:1306-19-0  
RTECS #: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 RE

COMMENDED  
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 NICKEL 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 Qt

y: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:NO Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:UNDE

R 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 Measures =====

First Aid:INGESTION:DO NOT INDUCE VOMITING NOR GIVE FOOD OR DRINK. GET MEDICAL A

TTENTION & 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 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,  
NICKEL 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 INFOR  
MATION 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 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.

===== Physical/C

hemical Properties =====

HCC:N1

NRC/State Lic Num:NONE

Appearance and Odor:MFR GAVE NO INFORMATION ON MSDS.

===== 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 OXIDE FUMES.

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

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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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