

GATES ENERGY PRODUCTS INC -- COMC0PN810-156-01 NICKEL CADMIUM BATTERY-CLOSED
CYLINDRICAL -- 6140-00-110-7463

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

Product ID:COMC0PN810-156-01 NICKEL CADMIUM BATTERY-CLOSED CYLINDRICAL

MSDS Date:01/01/1987

FSC:6140

NIIN:00-110-7463

MSDS Number: BXP SL

=== Responsible Party ===

Company Name:GATES ENERGY PRODUCTS INC

Address:US HWY 441 N

Box:147114

City:GAINESVILLE

State:FL

ZIP:32614-7114

Country:US

Info Phone Num:904-462-3911

Emerge

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

CAGE:19209

=== Contractor Identification ===

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:REPCO INC

Box:UNKNOWN

CAGE:15997

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

Ingred Name:NICKEL AND NICKEL HYDROXIDE AS NICKEL METAL (NICKEL (SARA
313) (CERCLA))

CAS:7440-02-0

RTEC

S #:QR5950000
Fraction by Wt: 20-30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9495

Ingred Name:CADMIUM AND CADMIUM HYDROXIDE AS CADMIUM METAL (CADMIUM
(SARA 313) (CERCLA))
CAS:7440-43-9
RTECS #:EU9800000
Fraction by Wt: 13-15%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.2 MG/M3 DUST; Z-2
ACGIH TLV:0.01 MG/M3 DUST;9495
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:COBALT AND COBALT HYDROXIDE AS COBALT METAL (COBALT (SARA
313))
CAS:7440-48-4
RTECS #:GF87
50000
Fraction by Wt: 1-2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.02 MG/M3; A3; 9495

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 2-4%
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

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES

OSHA:YES

Health Hazards Acute and Chronic:ACUTE:INHALATION OF DUST OR FUMES FROM CADMIUM OR NICKEL MAY CAUSE IRRITATION OF NOSE AND THROAT. INGESTION OF CADMIUM OR NICKEL DUST MAY CAUSE GI TRACT IRRITATION. NICKEL AND CERTAIN NICKEL COMPOUNDS MAY CAUSE DERMATITIS ON SKIN CONTACT. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE LUNG CANCER OR BONE LESIONS.

Explanation of Carcinogenicity:CONTAINS CADMIUM AND NICKEL AND THEIR COMPOUNDS WHICH ARE LISTED BY NTP AND IARC A ND REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:INHALED: COUGHING, SNEEZING, WHEEZING, SHORTNESS OF BREATH, CHILLS, WEAKNESS, COUGHING, CHEST PAINS. SKIN: REDNESS, ITCHING, DISCOMFORT. INGESTED: NAUSEA, VOMITING, DIARRHEA, ABDOMINAL CRAMPS.

Medical Cond Aggravated by Exposure:RESPIRATORY SYSTEM DISORDERS, PROSTATE DISORDERS, LIVER AND KIDNEY DISORDERS.

===== First Aid Measures =====

First Aid:INHALATION: REMOVE TO FRESH AIR
R. GET MEDICAL ATTENTION.
INGESTION: INDUCE VOMITING IF CONSCIOUS. GET MEDICAL ATTENTION.
SKIN OR EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF SYPMTOMS DEVELOP.

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

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING IF INVOLVED IN A FIRE.
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:CONTAIN SPILL. COLLECT THE SPILLED MATERIAL AND PLACE IN A PLASTIC-LINED CONTAINER; HEPA VACUUMING IS PREFERRED. FLUSH SPILL AREA WITH WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:WEAR PROPER PROTECTIVE CLOTHING. STORE IN A COOL, DRY AREA.
Other Precautions:KEEP CONTAINER CLOSED. AVOID CONTACT WITH C

LOTHERS.
AVOID GENERATING DUST.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR WITH DUST CARTRIDGE. USE IN ACCORDANCE WITH 29 CFR 1910.134 AND THE RESPIRATOR MANUFACTURER'S RECOMMENDATIONS.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW PEL/TLV.

Protective Gloves:PVC OR NEOPRENE IF SPILLED OR BROKEN

Eye Protection:

SAFETY GLASSES

Other Protective Equipment:WEAR COVERALLS WHEN HANDLING. EYE WASH STATION & SAFETY SHOWER AVAILABLE.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

GATES BOUGHT OUT GENERAL ELECTRIC BATTERY DIVISION SEVERAL YEARS AGO-THIS ONLY MSDS AVAILABLE WITH GE ON IT. MSDS RECEIVED FROM REPCO FOR A TECH SUPPORT REQUEST. MSDS RECEIVED WAS AN UNDATED OSHA FORM

20 WITH VERY LITTLE INFORMATION ON IT;SIGNIFICANTLY ENHANCED BY DLA-HMIS STAFF.

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

HCC:N1

Solubility in Water:NEGLIGIBLE

Appearance and Odor:BATTERY, 2 TERMINAL.

===== 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:METAL OXIDE FUME MAY BE EVOLVED AT

TEMPERATURES ABOVE MELTING POINT.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS. FOLLOWING EPA WASTE NUMBERS MAY APPLY: D001, D002, D006.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or impliedly

ed, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.