

GATES ENERGY PRODUCTS INC -- NICKEL CADMIUM BATTERY -- 6140-01-274-0835

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Product Identification
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Product ID:NICKEL CADMIUM BATTERY

MSDS Date:07/06/1990

FSC:6140

NIIN:01-274-0835

MSDS Number: BNTSC

=== Responsible Party ===

Company Name:GATES ENERGY PRODUCTS INC

Address:441 HWY N

Box:861

City:GAINESVILLE

State:FL

ZIP:32602

Country:US

Info Phone Num:904-462-3911

Emergency Phone Num:904-46

2-3911

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:KING RADIO CORP., DBA BENDIX/KING

Address:400N ROGERS RD

Box:City:OLATHE

State:KS

ZIP:66062-1212

Country:US

Phone:913-782-0400

CAGE:22373

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Composition/Information on Ingredients
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Ingred Name:NICKEL (SARA III)

CAS

:7440-02-0
RTECS #:QR5950000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:CADMIUM (SARA III)
CAS:7440-43-9
RTECS #:EU9800000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1027
ACGIH TLV:0.01 MG/M3 DUST;9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:COBALT (SARA III)
CAS:7440-48-4
RTECS #:GF8750000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3;AS CO
ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:13
10-58-3
RTECS #:TT2100000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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===== Hazards Identification =====
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Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYES/SKIN: CAN CAUSE BURNS AND
PERMANENT INJURY DUE TO CAUSTIC POTASSIUM HYDROXIDE(KOH). CADMIUM
AND NICKEL

AND THEIR COMPOUNDS CAN CAUSE CHRONIC HEALTH PROBLEMS SUCH AS CANCER, RENAL FAILURE AND RESPIRATORY PROBLEMS.

Explanation of Carcinogenicity: NICKEL AND CADMIUM AND THEIR COMPOUNDS ARE KNOWN OR SUSPECT CARCINOGENS.

Effects of Overexposure: EYE AND SKIN BURNS FROM POTASSIUM HYDROXIDE. CENTRAL NERVOUS SYSTEM DISORDERS AND CANCERS FROM LONG TERM EFFECTS OF HEAVY METAL POISONING.

Medical Cond Aggravated by Exposure: PERSONS WITH SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid: FOR SKIN CONTACT, REMOVE CONTAMINATED CLOTHES AND FLUSH WITH WATER. FOR EYE CONTACT, FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES AND CONTACT A PHYSICIAN IMMEDIATELY. IF INHALATION EXPOSURE, REMOVE TO FRESH AIR AND CONSULT A PHYSICIAN. FOR INGESTION; IF PERSON IS CONSCIOUS, GIVE WATER AND GET MEDICAL ATTENTION. DO NOT INDUCE VOMITING!

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

Extinguishing Media: USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL AS APPROPRIATE.

Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard: FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS SUCH AS TOXIC CADMIUM OXIDE FUMES.

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

Spill Release Procedures: AVOID EYE AND SKIN CONTACT WHEN DISCARDING USED BATTERIES. IF BATTERY CONTENTS ARE RELEASED, DO NOT TOUCH SPILLED MATERIAL. TAKE UP WITH SAND OR OTHER ABSORBENT AND PLACE IN A CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent: 5% ACETIC ACID OR VINEGAR

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

Handling and Storage Precautions: STORE AT ROOM TEMPERATURE IN A DRY PLACE. AVOID PROLONGED EXPOSURE TO HUMID CONDITIONS OR EXCESSIVE HEAT.

Other Precautions: ALL CHEMICALS

ALS SHOULD BE HANDLED SO AS TO PREVENT EYE CONTACT AND EXCESSIVE OR REPEATED SKIN CONTACT. APPROPRIATE EYE AND SKIN PROTECTION SHOULD BE EMPLOYED. INHALATION OF DUSTS AND VAPORS SHOULD BE AVOIDED.

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

Respiratory Protection:NO SPECIAL PRECAUTIONS UNLESS AT HIGH TEMPERATURE IN WHICH CASE SUPPLIED AIR RESPIRATORS ARE REQUIRED. IF RESPIRATORY PROTECTION IS USED; A PROGRAM IN ACCORDANCE WITH 29 CFR 1910.134 MUST BE IMPLEMENTED.

Ventilation:NONE REQUIRED UNDER NORMAL CONDITIONS OF USE.

Protective Gloves:NONE NORMALLY REQUIRED.

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:NONE NORMALLY REQUIRED. HAVING AN EYE WASH STATION AVAILABLE IS RECOMMENDED.

Work Hygienic Practices:AVOID EYE/SKIN CONTACT WITH LEAKING BATTERIES. WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING.

Supplemental Safety and Health

MANUFACTURER STATES: THIS PRODUCT IS REGARDED AS AN "ARTICLE" BY DEFINITION UNDER 29 CFR 1910.1200 (C). THE PRODUCT CONTAINS COBALT COMPOUNDS, AS WELL AS POTASSIUM HYDROXIDE. THE PHYSICAL FORM OF THE PRODUCT, HOWEVER, PRECLUDES EXPOSURE.

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

HCC:N1

Appearance and Odor:SEALED METALLIC CYLINDER, ODORLESS

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

Stability Indicator/Materials to Avoid:YES

ANY SUBSTANCE WHICH WOULD CORRODE THE CASING AND CAUSE LEAKAGE OF THE BATTERY ELECTROLYTE.

STABILITY CONDITION TO AVOID:HIGH TEMPERATURES AND OPEN FLAMES

Hazardous Decomposition Products:BATTERY MAY EMIT HAZARDOUS VAPORS OF POTASSIUM HYDROXIDE AND CADMIUM AND NICKEL AND THEIR COMPOUNDS WHEN HEATED.

HEATED.

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

Waste Disposal Methods:DO NOT INCINERATE, PUNCTURE OR MUTILATE. BROKEN BATTERIES OR BATTERIES WITH LEAKING ELECTROLYTE CONSTITUTE HAZARDOUS WASTE. CONSULT WASTE DISPOSAL OFFICIALS FOR ADVISORY

ICE.

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