

SAFT AMERICA INC PRIMARY BATTERY DIVISION -- P/N 200-3224-07 NICKEL-CADMIUM BATTERY
(CLO -- 6140-01-274-0835

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

Product ID:P/N 200-3224-07 NICKEL-CADMIUM BATTERY (CLO

MSDS Date:01/01/1987

FSC:6140

NIIN:01-274-0835

MSDS Number: BPFLG

=== Responsible Party ===

Company Name:SAFT AMERICA INC PRIMARY BATTERY DIVISION

Address:711-A INDUSTRIAL BLVD

Box:1886

City:VALDOSTA

State:GA

ZIP:31603

Country:US

Info Phone Num:912-247-2331

Emergency Phone Num:912-247-2331

CAGE:01306

=== Contractor Identification ===

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

Company Name:SAFT AMERICA INC PRIMARY BATTERY DIVISION

Address:711 INDUSTRIAL BLVD

Box:1886

City:VALDOSTA

State:GA

ZIP:31601-6512

Country:US

Phone:912-247-2331

CAGE:01306

===== Composition/Information o

n Ingredients =====

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:1310-58-3
RTECS #:TT2100000
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

Ingred Name:IRON OXIDE
CAS:1309-37-1
RTECS #:NO7400000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3 (FE)
ACGIH TLV:5 MG/M3(FE),B2; 9293

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinog

enicity:NTP:YES IARC:YES OSHA:YES

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: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.

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

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL AS APPROPRIATE FOR SURROUNDINGS.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO 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. FLUSH ELECTROLYTE SPILLS WITH WATER AFTER NEUTRALIZING.

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.

Other Precautions:AIR BREATHING UNITS ARE NEEDED IF MATERIALS ARE INCINERATED

TED. INCINERATION IS NOT RECOMMENDED.

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

Respiratory Protection:NO SPECIAL PRECAUTIONS UNLESS AT HIGH TEMPERATURE IN WHICH CASE AIR BREATHER UNITS ARE REQUIRED.

Ventilation:NO SPECIAL PRECAUTIONS.

Protective Gloves:NEOPRENE, RUBBER OR LATEX NITRILE

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:RUBBER OR PLASTIC GARMENTS.

Work Hygienic Practices:AVOID EYE/SKIN CONTACT WITH LEAKING BATTERIES.

WASH HANDS AFTER USE

AND BEFORE EATING, DRINKING, OR SMOKING.

Supplemental Safety and Health

AVOID HIGH TEMPERATURE USE. DANGEROUS FUMES OF CADMIUM OXIDE SUBLIME AT 2800F. BATTERY IS FOR THE PRC-127 PORTABLE HAND-HELD RADIO (NSN:5820-01-266-5964). ASSEMBLY CONSISTS OF 8 NI-CAD SEALED CELLS.

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

HCC:N1

Appearance and Odor:EACH BATTERY CELL IS A SEALED CYLINDRICAL CONTAINER ENCLOSING THE ELECTROLYTES.

===== 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.

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

Waste Disposal Methods:DO NOT INCINERATE. B

ROKEN BATTERIES OR WITH

LEAKING ELECTROLYTE CONSTITUTE HAZARDOUS WASTE. CONSULT WASTE DISPOSAL OFFICIALS FOR ADVICE.

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