

SAFT AMERICA INC -- NICKEL CADMIUM BATTERY (551-12227) -- 6140-00-410-3334

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

Product ID:NICKEL CADMIUM BATTERY (551-12227)

MSDS Date:11/20/1986

FSC:6140

NIIN:00-410-3334

MSDS Number: BJJDX

=== Responsible Party ===

Company Name:SAFT AMERICA INC

Address:711 INDUSTRIAL BLVD

City:VALDOSTA

State:GA

ZIP:31601

Country:US

Info Phone Num:912-247-2331

Emergency Phone Num:912-247-2331

Preparer's Name:BETH SNYDER

CAGE:09052

=== Contractor

Identification ===

Company Name:HONEYWELL INC

Address:1100 VIRGINIA DR

Box:City:FORT WASHINGTON

State:PA

ZIP:19304

Country:US

Phone:215-641-4328

CAGE:01534

Company Name:SAFT AMERICA INC.

Address:711 INDUSTRIAL BLVD

Box:1886

City:VALDOSTA

State:GA

ZIP:31602

Country:US

Phone:912-247-2331

CAGE:09052

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

Ingred Name:CADMIUM & CADMIUM HYDROXIDE

Fraction by Wt: 13-16%

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.05 MG/M3

Ingred Name:NICKEL & NICKE

L HYDROXIDE  
Fraction by Wt: 20-30%  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3

Ingred Name:POTASSIUM HYDROXIDE (SARA III)  
CAS:1310-58-3  
RTECS #:TT2100000  
Fraction by Wt: 2-4%  
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:COBALT HYDROXIDE  
CAS:1307-86-4  
RTECS #:GG0904000  
Fraction by Wt: 0.5-1%  
ACGIH TLV:0.1 MG/M3

Ingred Name:SODIUM HYDROXIDE (SARA III)  
CAS:1310-73-2  
RTECS #:WB4900000  
Fraction by Wt: 2-4%  
OSHA PEL:2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9293  
E  
PA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: KOH, NAOH-BURNS TO TISSUE  
CONTACTED; NI-POSSIBLE CONTACT DERMATITIS. CHRONIC: CD-POSSIBLE  
LUNG OR KIDNEY DAMAGE; NI-POSSIBLE LUNG DAMAGE.  
Explanation of Carcinogenicity:CD-CLASS  
1 (IARC, NTP); NI-CLASS 1  
(IARC), CLASS 2 (NTP)  
Effects of Overexposure:SEE HEALTH HAZARDS

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

First Aid:WASH THOROUGHLY WITH LARGE VOLUME OF WATER IF ELECTROLYTE IS  
SPILLED. INHAL: REMOVE TO FRESH AIR; CONTACT MD. EYES: FLUSH WITH  
WATER FOR 15 MINUTES; CONTACT MD. SKIN: WASH WITH LARGE VOLUME OF  
WATER; MILD ACID MAY BE USED TO NEUTRALIZE. INGEST: CONTACT MD  
IMMEDIATELY.

===== Fire Fighting

Measures =====

Extinguishing Media:SUITABLE FOR SURROUNDING MATERIAL

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED POSITIVE PRESSURE  
SCBA, FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:TOXIC CADMIUM OXIDE FUMES MAY BE RELEASED  
DURING BURNING.

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

Spill Release Procedures:FLUSH ELECTROLYTE SPILLS WITH WATER.

Neutralizing Agent:MILD ACID

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

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Handling and Storage Precautions:DO NOT BREAK OPEN BATTERY CELL.

Other Precautions:DO NOT INCINERATE OR MUTILATE; DO NOT SHORT  
CIRCUIT-MAY CAUSE BURNS.

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

Respiratory Protection:NIOSH/MSHA APPROVED SCBA (IF BURNED)

Protective Gloves:NEOPRENE OR PVC IF CELL BROKEN OPEN

Eye Protection:CHEM WORKERS GOGGLES IF CELL BROKEN OPEN

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SP

ECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

Appearance and Odor:EACH CELL:SEALED CYL CNTNR ENCL A CADMIUM/NICKEL  
ELECTRODE&KOH/NAOH ELECTROLYTE

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:TOXIC FUMES MAY BE RELEASED IF  
INCINERATED.

===== Disposal Considerati

ons =====

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH APPLICABLE LOCAL,  
STATE AND FEDERAL REGULATIONS.

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