

SAFT AMERICA INC POWER SOURCES DIV -- NICKEL CADMIUM STORAGE BATTERY --
6140-01-110-3855

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

Product ID:NICKEL CADMIUM STORAGE BATTERY

MSDS Date:03/05/1991

FSC:6140

NIIN:01-110-3855

MSDS Number: BSFKK

=== Responsible Party ===

Company Name:SAFT AMERICA INC POWER SOURCES DIV

Address:711 INDUSTRIAL BLVD

Box:1886

City:VALDOSTA

State:GA

ZIP:31603

Country:US

Info Phone N

um:912-247-2331

Emergency Phone Num:912-247-2331

Preparer's Name:BETH LAS

CAGE:09052

=== Contractor Identification ===

Company Name:DUFF-NORTON CO INCGOULD INC

Address:3255 SW 11TH AVENUE

Box:City:FT. LAUDERDALE

State:FL

ZIP:33315

Country:US

Phone:305-522-5761

CAGE:50056

Company Name:GULTON BATTERY SEE SAFT AMERICA 6M493.

Country:US

CAGE:05123

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

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

Ingred Name:CADMIUM (SARA III) AND CADMIUM HYDROXIDE
CAS:7440-43-9
RTECS #:EU9800000
Fraction by Wt: 7-13% %
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1MG/M3FUME;0.2DUST
ACGIH TLV:0.05 MG/M3 DUST;9293
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:NICKEL (SARA III) AND NICKEL HYDROXIDE
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 23-30% %
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9293

Ingred Name:PO
TASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 4% %
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:COBALT HYDROXIDE
CAS:21041-93-0
Fraction by Wt: 0.5% %
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinog

enicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:UNDER NORMAL CONDITIONS OF USE, NO EXPOSURE TO HAZARDOUS COMPONENTS EXISTS. IF INCINERATED, INHALATION OF FUMES MAY CAUSE RESPIRATORY SYSTEM IRRITATION TO PULMONARY EDEMA; CHRONIC EXPOSURE MAY CAUSE K IDNEY DYSFUNCTION AND LUNG INJURY.

Explanation of Carcinogenicity:CONTAINS NICKEL WHICH IS LISTED AS CARCINOGENIC AND CADMIUM AS POSSIBLY CARCINOGENIC.

Effects of Overexposure:IF INCINERATED, CHEST PAINS, COUGHING, SWEATING

CHILLS, SHORTNESS OF BREATH AND WEAKNESS.

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

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First Aid Measures
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First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.

EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES,IF CONTACTED WITH ELECTROLYTES.HOLD EYELIDS OPEN.INHALED:REMOVE TO FRESH AIR.ORAL:CALL A PHYSIC IAN IMMEDIATELY.

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Fire Fighting Measures
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Extinguishing Media:SUITABLE FOR SURROUNDING MATERIAL.

Fire Fighting Procedures:USE NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:TOXIC METAL OXIDE FUMES MAY BE EVOLVED DURING BURNING.

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Accidental Release Measures
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Spill Release Procedures:UNDER NORMAL CONDITIONS OF USE, HAZARDOUS COMPONENTS WILL NOT BE R

LEASED. IF ELECTROLYTE IS SPILLED, NEUTRALIZE WITH MILD ACID THEN FLUSH WITH WATER.

Neutralizing Agent:WEAK ACID

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Handling and Storage
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Handling and Storage Precautions:DO NOT BREAK OPEN BATTERY CASE. DO NOT INCINERATE OR MUTILATE. DO NOT SHORT CIRCUIT, MAY CAUSE BURNS.

Other Precautions:IF CASE IS BROKEN OPEN, ELECTROLYTE IS CORROSIVE ON CONTACT. IMPERVIOUS GLOVES, SAFETY GOGGLES AND OTHER PROTECTIVE CLOTHING AND EQUIPMENT SHOULD B

E WORN IN THE UNLIKELY EVENT OF CONTACT.

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

Respiratory Protection:WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST FUMES.

Ventilation:NORMAL VENTILATION.

Protective Gloves:IF PUNCTURED CASE, USE IMPERVIOUS GLOVES

Eye Protection:IF PUNCTURED CASE, WEAR SAFETY GOGGLES

Other Protective Equipment:IF INVOLVED IN A FIRE, FULL PROTECTIVE CLOTHING.

Work Hygienic Practices:AVOID CONTACT WITH INNER COMPONENTS.

Supplemental Safety and Health
NONE

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

HCC:Z5

Appearance and Odor:OUTER METAL CASING CONTAINING PRISMATIC CELLS WITH COMPONENTS SEALED WITHIN.

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

Stability Indicator/Materials to Avoid:YES

GENERAL STORAGE PROCEDURES FOR HAZARDOUS MATERIALS ARE ACCEPTABLE.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:

METAL OXIDES FUMES MAY BE EVOLVED AT TEMPERATURES ABOVE MELTING POINT.

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

Waste Disposal Methods:IF DISCARDED, TREAT AS RCRA HAZARDOUS WASTE. DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS.

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