

SAFT AMERICA INC POWER SOURCES DIV -- BATTERY ASSEMBLY, P/N 401096.1 --
6140-01-136-1493

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

Product ID:BATTERY ASSEMBLY, P/N 401096.1

MSDS Date:03/01/1993

FSC:6140

NIIN:01-136-1493

MSDS Number: BPZVB

=== 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:DGSC-SSH

CAGE:09052

=== Contractor Identification ===

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 HYDROXIDE

Fraction by Wt: 13-16%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.05MG/M3 (CD FUME)

ACGIH TLV:0.05 MG/M3 (CD FUME)

Ingred Name:NICKEL HYD

ROXIDE (SARA III)
CAS:12054-48-7
RTECS #:QR7040000
Fraction by Wt: 20-30%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG NI/M3
ACGIH TLV:0.1 MG NI/M3; 9293
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 2-4%
Other REC Limits:NONE SPECIFIED
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:21041-93-0
Fraction by Wt: 0.5-1%
Other REC Limits:NONE
SPECIFIED
OSHA PEL:NOT GIVEN
ACGIH TLV:0.1 MG/M3

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES OSHA:YES
Health Hazards Acute and Chronic:SKIN IRRITATION, DERMATITIS, LUNG
DAMAGE, KIDNEY DAMAGE.
Explanation of Carcinogenicity:NICKEL AND CADMIUM COMPOUNDS ARE LISTED
BY NTP
Effects of Overexposure:KOH,NAOH BURNS TO SKIN CONTACTED, NI POSSIBLE
CONTACT DER
MITIS. CD-POSSIBLE LUNG OR KIDNEY DAMAGE:NI-POSSIBLEE
LUNG DAMAGE.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION:REMOVE TO FRESH AIR:CONTACT PHYSCIAN. SKIN: WASH
WITH LARGE VOLUMES OF WATER,MILD ACID MAY BE USED TO NEUTRALIZE.
EYES:FLUSH WITH WATER FOR AT LEAST 15 MINUTES CONTACT A PHYSCIAN.
INGESTION : CONTACT A PHYSCIAN IMMEDIATELY.

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===== Fire Figh

ting Measures =====

Flash Point:NONFLAMMABLE

Lower Limits:NONFLAMMABLE

Upper Limits:NONFLAMMABLE

Extinguishing Media:SUITABLE FOR SURROUNDING MATERIAL

Fire Fighting Procedures:IF INCINERATED USEE NIOSH/MSHA APPROVED
POSITIVE PRESSUREE SELF CONTAINED BREATHING APPERATUS.

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

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

Spill Release Procedures:FLUSH ELECTROYLTE SPI

LLS WITH WATER

Neutralizing Agent:NONE GIVEN

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

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

Other Precautions:DO NOT INCINERATE OR MULTILATE, DO NOT SHORT CIRCUIT-
MAY CAUSE BURNS.

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

Respiratory Protection:NIOSH/MSHA APPROVED SELF CONTAINED BREATHING
APPERATUS(IF BURNED)

Ventilation:NOT NORMALLY REQUIRED.

Protective Gloves:NEOPRENE OR
PVC IF CELL IS BROKEN

Eye Protection:CHEMICAL GOGGLES IF CELL IS BROKEN

Other Protective Equipment:EMERGENCY EYEWASH STATION AND SHOWER.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT
AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

MSDS PREPARED BY DGSC-SSH FROM SAFT AMERICA GENERIC MSDS FOR NICKEL
CADMIUM BATTERIES.

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

HCC:C1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M

.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SEALED CYLINDRICAL CONTAINER ENCLOSING A CADMIUM
ELECTRODE NICKEL, AND KOH/NAOH EL

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Pr

oducts:TOXIC FUMES MAY BE RELEASED IF
INCINERATED.

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

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

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