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SAFT AMERICA INC POWER SOURCES DIV -- NICKEL CADMIUM STORGAE BATTERY

6140-00-738-2550

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

Product ID:NICKEL CADMIUM STORGAE BATTERY

MSDS Date:03/05/1992

FSC:6140

NIIN:00-738-2550

MSDS Number: BMSNY === 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: 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 (SARA III) CADMIUM AND CADMIUM HYDROXIDE TOTAL 7 - 13%.

CAS:7440-43-9

RTECS #:EU9800000 Fraction by Wt: 7 - 13%

Other REC Limits: NONE SPECIFIED

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: CADMIUM OXIDE (SARA III) CADMIUM AND CADMIUM OXIDE TOTAL

7 - 13%.

CAS:1306-19-0

RTECS #:EV1925000 Fraction by Wt: 7 - 13%

Other REC Limits: NONE SPECIFIED

OSHA PEL:SEE 1910.1027

ACGIH TLV:0.05 MG(CD)/M3; 9293

Ingred Name: NICKEL (SARA III) NICKEL AND NICKEL HYDROXIDE TOTAL 23 -

30%.

CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: 23 - 30%

Other REC Limits: NONE SPECIFIED

OSHA PEL:1

MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name: NICKEL HYDROXIDE (SARA III) TOTAL OF NICKEL AND NICKEL

HYDROXIDE IS 23 - 30 %.

CAS:12054-48-7

RTECS #:QR7040000

Fraction by Wt: 23 - 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: 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: COBALTIC (III) HYDROXIDE CAS:1307-86-4 RTECS #:GG0904000 Fraction by Wt: 0.5% % Other REC Limits: NONE SPECIFIED OSHA PEL:0.05 MG/M3 (COBALT) ACGIH TLV:0.05 MG/M3 (COBALT) ============ Hazards Identification ================== LD50 LC50 Mixture: NOT SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: UNDER NORMAL CONDITIONS OF USE, NO EXPOSURE TO HAZAARDOUS COMPONENTS EXISTS. IF INCINERATED, INHALATION OF FUME MAY CAUSE RESPIRATORY SYSTEM IRRITATION TO PULMONARY EDEMA. CHRONIC EXPOSURE MAY CAUSE K IDNEY DYSFUNCTION AND LUNG INJURY. Explanation of Carcinogenicity: NICKEL AND CADMIUM ARE LISTED AS POTENTIAL CARCINOGENS BY NTP, IARC AND OSHA. HOWEVER, NO EXPOSURE FROM BATTERIES. Effects of Overexposure: IF INCINERATED, CHEST PAIN, COUGHING, SWEATING CHILLS, SHORTNESS OF BREATH AND WEAKNESS. Medical C ond Aggravated by Exposure:IF INCINERATED, RESPIRATORY SYSTEM DISORDERS, PROSTATE DISORDERS, LIVER AND KIDNEY DISORDERS. First Aid:IF CONTACT WITH POTASSIUM OR SODIUM HYDROXIDE ELECTROLYTE. FLUSH WITH WATER FOR 15 MINUTES AND CONTACT PHYSICIAN.

Flash Point:NOT GIVEN Lower Limits: NOT GIVEN Upper Limits:NOT GIVEN Extinguishing Media:SUITABLE FOR SURR

OUNDING FIRE Fire Fighting Procedures: USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING IF INVOLVED IN FIRE. Unusual Fire/Explosion Hazard: TOXIC METAL OXIDE FUMES MAY BE EVOLVED DURING BURNING
======== Accidental Release Measures ==========
Spill Release Procedures:UNDER NORMAL CONDITIONS OF USE, HAZARDOUS COMPONENTS WILL NOT BE RELEASED. IF POTASSIUM OR SODIUM HYDROXICE ELECTROLYTE IS SPILLED, NEUTRALIZE WITH MILD ACID AND THEN FLUSH WITH WATER.
Neutralizing Agent:MILD ACID SOLUTION.
============ Handling and Storage =============
Handling and Storage Precautions:DO NOT BREAK OPEN BATTERY CASE. DO NOT MUTILATE OR SHORT CIRCUIT CASE. DO NOT INCINERATE. Other Precautions:IF CASE IS BROKEN OPEN, ELECTROLYTE IS CORROSIVE ON CONTACT. IMPERVIOUS GLOVES, SAFETY GOGGLES, ETC, SHOULD BE 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:NOT REQUIRED UNDER NORMAL USAGE. Protective Gloves:IF PUNCTURED CASE, USE IMPERVIOUS GLOVES Eye Protection:IF PUNCTURED CASE, WEAR SAFETY GOGGLES Other Protective Equipment:IF INVOLVED IN FIRE, FULL PROTECTIVE CLOTHING. Work Hygienic Practices:AVOID CONTACT WITH INNER COMPONENETS. Supplemental Safety and Health NONE SPECIFIED BY MANUFACTURER.
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HCC:N1 Boiling Pt:B.P. Text:NOT GIVEN Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN Decomp Temp:Decomp Text:NOT GIVEN Vapor Pres:NOT GIVEN Vapor Density:NOT GIVEN Spec Gravity:NOT GIVEN Evaporation Rate & amp; Reference:NIL Solubility in Water:NOT GIVEN Appearance and Odor:OUTER METAL CASING CONTAINS PRISMATIC CELLS WITH BATTERY CONTENTS SEALED WITHIN Percent Volatiles by Volume:0 %

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:METAL OXIDE FUMES MAY BE EVOLVED AT
HIGH TEMPERATURES

======= 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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