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SAFT AMERICA INC. POWER SOURCES DIV. -- NICAD STORAGE BATTERY CELL

6140-01-131-9696

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

Product ID:NICAD STORAGE BATTERY CELL

MSDS Date:03/05/1991

FSC:6140

NIIN:01-131-9696

MSDS Number: BGNGV === 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 Num:9

12-247-2331

Emergency Phone Num:912-247-2331

Preparer's Name:BETH JAS

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)

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 HYDROXIDE

Fraction by Wt: 7-13%

Other REC Limits:NONE SPECIFIED OSHA PEL:0.1 MG/M3 (CD FUME) ACGIH TLV:0.05 MG/M3 (CD FUME)

Ingred Name: NICKEL (SARA III)

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)

CAS:12054-48-7 RTECS #:QR7040000 Fraction by Wt: 23-30%

Other REC Limits: NONE SPECIFIED

OSHA PEL:1 MG NI/M3

ACGIH T

LV: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: COBALT HYDROXIDE

CAS:21041-93-0 Fraction by Wt: 0.5%

Other REC Limits: NONE SPECIFIED

OSHA PEL:0.05 MG/M3 (CO) ACGIH TLV:0.05 MG/M3 (CO)

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

Rout

es of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES
Health Hazards Acute and Chronic:ACUTE: CONTACT MAY CAUSE IRRITATION,
BURNS. INHALATION MAY CAUSE UPPER RESPIRATORY IRRITATION AND
PULMONARY EDEMA. CHRONIC: KIDNEY DISFUNCTION AND LUNG INJURY.
Explanation of Carcinogenicity:NICKEL AND CADMIUM ARE LISTED UNDER IARC AND NTP.
Effects of Overexposure:EYES/SKIN: IRRITATION, BURNS. INHALATION: NOSE,
THROAT, UPPER RESPIRATORY SYS TEM IRRITATION. INGESTION: IRRITATING
AND CORROSIVE TO DIGESTIVE SYSTEM. IF INCINERATED: CHEST PAINS,
,
COUGHING, SWEATING CHILLS, SHORTNESS OF BREATH AND WEAKNESS. Medical Cond. Aggregated by Exposure INDIVIDUALS WITH A HISTORY OF SKIN.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.
IF INCINERATED MAY AGGRAVATE RESPIRATORY SYSTEM DISORDERS, PROSTATE
DISORDERS, LIVER & KIDNEY DISOR
DISONDENS, EIVEN & NIDNET DISON
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First Ai
d:EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF
IRRITATION PERSISTS, SEE DOCTOR. SKIN: WASH WITH MILD SOAP AND
WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INHALATION:
REMOVE VIC TIM TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR.
INGESTION: DO NOT INDUCE VOMITING. SEE DOCTOR IMMEDIATELY.
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Flash Point:NONE
Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPIATE
FOR
SURROUNDING FIRE.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: COMBUSTION OR HEAT OF FIRE MAY PRODUCE

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

Spill Release Procedures: REMOVE PERSONNEL. ELIMINATE IGNITION SOURCES.

HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

VENTILATE AREA. WEAR PROTECTIVE CLOTHING AND

EQUIPMENT. NEUTRALIZE CAUTIOUSLY WITH WEAK ACID SOLUTION. ABSORB IN INERT MATERIAL AND PLACE IN APPROPIATE DI SPOSAL CONTAINER AND COVER. Neutralizing Agent:5% ACETIC ACID SOLUTION.
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Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. Other Precautions:DO NOT BREAK OPEN BATTERY CASE. DO NOT MUTILATE OR SHO
RT CIURCUIT CASE. DO NOT INCINERATE. AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED RESPIRATOR OR SCBA AS APPROPIATE FOR EXPOSURE OF CONCERN. Ventilation:MECHANICAL (GENERAL) VENTILATION OR LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE LEVELS BELOW PEL. Protective Gloves:RUBBER GLOVES. Eye Protection:CHEMICAL SAFETY GOGGLES. Other Protective Equipm ent:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER. Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health NONE.
========== Physical/Chemical Properties ===========
HCC:B1 pH:CAUSTC Solubility in Water:COMPLETE Appearance and Odor:PRISMATIC NYLON CASE WITH CAUSTIC ELECTROLYTE.

======= Stabilit

Stability Indicator/Materials to Avoid:YES ACIDS.
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION
Hazardous Decomposition Products:METAL OXIDE FUMES MAY BE EVOLVED AT TEMPERATURES ABOVE MELTING POINT.
======= Disposal Considerations ==========

Waste Disposal Methods: CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

TREAT AS RCRA HAZARDOUS WASTE.

y and Reactivity Data =========

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