

SAFT AMERICA INC. POWER SOURCES DIV. -- BATTERY STORAGE -- 6140-01-099-0252

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

Product ID:BATTERY STORAGE

MSDS Date:10/21/1986

FSC:6140

NIIN:01-099-0252

MSDS Number: BGLSJ

=== 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:912-247-2331

Emergency P

hone Num:912-247-2331

Preparer's Name:WILLIAM O. WILDER, JR.

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:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 6.5%

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:CADMIUM (SARA III)
CAS:7440-43-9
RTECS #:EU9800000
Fraction by Wt: 14.63%
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:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 26.07%
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 52.8%

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

Routes of Entry: Inhalation:YES Skin:YES I
ngestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: 1.KOH:SKIN BURNS.
2.NI,NI(OH)*2,CD,CD(OH)*2,POSSIBLE CONTACT DERMATITIS. CHRONIC:
1.NI,NI(OH)*2,CD,CD(OH)*2,SUSPECTED CARCINOGEN 2.CD,CD(OH)*,RENAL
FAILURE,RESPIRATORY PROBLEMS.
Explanation of Carcinogenicity:CD:PROBABLE CARCINOGEN W.SUFFICIENT DATA
IN ANIMAL,INAD.IN HUMANS;NI:PROBABLE CARCINOGEN W.LIMITED DATA IN
HUMANS.
Effects of Overexposure:CONTACT WITH SKIN & E
YE CAUSE BURNS. SEE HEALTH
HAZARDS.
Medical Cond Aggravated by Exposure:ANY MEDICAL CONDITION AFFECTING
SAME ORGANS AS THOSE AFFECTED BY OVEREXPOSURE.

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

First Aid:EYES:WASH WITH LARGE VOLUMES OF WATER,SEE PHYSICIAN;SKIN:WASH
WITH LARGE VOLUMES OF WATER;INHALATION:REMOVE TO FRESH AIR,SEE
PHYSICIAN;INGESTION:DRINK CITRIC JUICES OR LARGE VOLUME OF
WATER.SEE PHYSIC IAN IMMEDIATELY.

===== Fire F

ighting Measures =====

Extinguishing Media:NONE SPECIFIED.AS REQUIRED FOR SURROUNDING MATERIALS

Fire Fighting Procedures:WEAR CHEMICAL PROTECTIVE SUIT WITH SELF CONTD BRTHG APP.

Unusual Fire/Explosion Hazard:CDO FUMES,VAPOR,DUST. CONTAINERS MAY RUPTURE ON HEAT OF FIRE. TOXIC GAS MAY ESCAPE DURING FIRE.

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

Spill Release Procedures:WEAR CHEMICAL PROTECTIVE SUIT & SCBA. NEUTRALIZE SPILL WITH ACETIC

ACID SOLUTION. ABSORB IN INERT

ABSORBENT. SHOVEL INTO SUITABLE DISPOSAL CONTAINER. FLUSH RESIDUE WITH COPIOUS AMOUNTS OF WATER.

Neutralizing Agent:5% ACETIC ACID

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

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

ELECTROLYTE IN BATTERY IS CORROSIVE. CARE SHOULD BE TAKEN TO AVOID CONTACT

Other Precautions:DO NOT BREAK OPEN BATTERY CASE.

===== Exposure Controls/Personal Protection =====
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Respiratory Protection:NONE NORMALLY NEEDED. SCBA DURING FIRE OR SPILL.

Ventilation:NO SPECIAL REQUIREMENTS W ADEQUATE VENT.

Protective Gloves:RUBBER

Eye Protection:GOGGLES

Other Protective Equipment:RUBBER OR PLASTIC GARMENTS.

Work Hygienic Practices:STANDARD PRACTICE

Supplemental Safety and Health

MSDS INFORMATION APPLIES TO ELECTROLYTE INSIDE BATTERY.

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

HCC:B1

Spec Gravity:1.28

Solubility in Water:COMPLETE

Appearance

and Odor:CLEAR,ODORLESS LIQUID-IN BATTERY

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

Stability Indicator/Materials to Avoid:YES
ACIDS,OXIDIZERS
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:SUBLIMES AS CDO AT 2800F

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

Waste Disposal Methods:SEND TO A CERTIFIED WASTE DISPOSAL SITE. DISPOSE
OF IAW ALL APPLICABLE FEDERAL,STATE & LOCAL REGULATIONS. *DO NOT
INCINERATE*

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