

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

Phone 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
Ingestion: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 &
EYE 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 PHYSICIAN IMMEDIATELY.

=====
===== Fire
=====

Fighting 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 =====

=====

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

Appearanc

e 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*

Discla

imer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.