

SAFT AMERICA INC. -- BATTERY,STORAGE 43B006AC02G1 -- 6140-01-023-8552

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

Product ID:BATTERY,STORAGE 43B006AC02G1

MSDS Date:10/21/1986

FSC:6140

NIIN:01-023-8552

MSDS Number: BGXHQ

=== Responsible Party ===

Company Name:SAFT AMERICA INC.

Address:711 INDUSTRIAL BLVD.

City:VALDOSSTA

State:GA

ZIP:13601

Info Phone Num:912-247-2331

Emergency Phone Num:912-247-2331

Preparer's Name:WILLIAM D. WILDER JR.

CAGE:09052

=== Contractor Identif

ication ===

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:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 26.07%

OSH

A PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192

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

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

Routes of Entry: Inhalation:YES Skin:UNKNOWN Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ELECTROLYTE IS CORROSIVE TO BODY  
TISSUES. HAZARDS INCLUD  
E ELECTROLYTE CONTACT(UNLIKELY DURING NORMAL  
USE) AND PHYSICAL HAZARDS DUE TO EXPLOSION OR SHORTING OF TERMALS.  
CONTSACT WITH THE CADMIUM IS UNLI KELY UNLESS CASE IS BROKEN OR  
RUPTURED  
Explanation of Carcinogenicity:IARC & NTP LIST "CARDIUM COMPOUNDS".SEE  
REPORTS FOR SPECIFICS.  
Effects of Overexposure:EYE:BURNING SKIN:IRRITATION,BURNING.  
INHALED:RESPIRATORY IRRITATION,BURNING,COUGHING. INGESTED:G/I  
IRRITATION BURNING.  
Medical Cond Aggravated by Exposure:NONE

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

First Aid:EYE:FLUSH WITH WATER 15 MIN. SKIN:REMOVE CONTAMINATED  
CLOTHING.WASH WITH SOAP & WATER.LAUNDER CLOTHING BEFORE REUSE.  
INHALED:REMOVE FROM EXPOSURE,RESTORE BREATHING IF NECESSARY.  
INGESTED:DO NOT INDUCE VOMITING. GIVE MILK OR WATER TO DRINK.GET  
PROMPT MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point:NONE  
Lower Limits:4.1 (H\*2)  
Upper Limits:74.2 (H\*2)  
Extinguishin

g Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:ACID MIST & VAPOR GENERATED BY FIRE ARE  
CORROSIVE. COOL BATTERY WITH WATER SPRAY. WEAR PROTECTIVE CLOTHING  
AND SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:BATTERY WILL GENERATE EXPLOSIVE  
HYDROGEN DURING OVER CHARGE. VENTILATE CHARGING AREA.

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

Spill Release Procedures:NEUTRALIZE SPILLED ELECTROLYTE. FLUSH TO  
DRAIN.

Neutralizing Agent:6M HYDROCHLORIC OR ACETIC ACID.

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

Handling and Storage Precautions:STORE IN COOL DRY,ARREA.BE SURE  
CHARGING AREA IS WELL VENTILATED AND FREE FROM SPARKS AND IGNITION  
SOURCES.

Other Precautions:DO NOT SHORT TERMINALS.

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

Respiratory Protection:NONE EXPECTED TO BE NECESSARY. USE NIOSH/MSHA  
RESPIRATOR FOR ALKALI MISTS IF EXPOSED ABOVE  
TLV/PEL.

Ventilation:NORMAL ROOM VENTILATION IS LIKELY.

Protective Gloves:RUBBER/PLASTIC IF CONTACT IS LIKELY.

Eye Protection:SAFETY GLASSES (SPLASH GOGGLES).

Other Protective Equipment:WEAR BOOTS RUBBER.APRON,GOGGLES IF SPLASHING  
OF ELECTROLYTE IS LIKELY. SAFETY SHOWER-EYE WASH.

Work Hygienic Practices:EUSE STRICT CHEMICAL HYGIENE (AVOID ALL  
POSSIBLE CONTACT) IF HANDLING ELECTROLYTE. OTHERWISE GOOD  
INDUSTRIAL HYGIENE.

Supplemental Safety and Health

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

HCC:B1

pH:ALKALI

Solubility in Water:MISCIBLE ELECTROLYTE

Appearance and Odor:PLASTIC CASE WITH ELECTRIC CONNECTORS CONTAINING  
CLEAR,COLORLESS,ODORLESS LIQUI

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

Stability Indicator/Materials to Avoid:YES

ACID (ELECTROLYTE)

Stability Condition to Avoid:OVERCHARGING,SPARKS,SMOKING.

Hazardous Decomposition Products:EXPLOSIVE HYDROGEN MIXTURE.(DURING  
CHARGE/OVERCHARGE)

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## == Disposal Considerations =====

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS.  
RETURN BATTERY TO RECYCLER.FOR METAL RECOVERY.

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