

SAFT AMERICA INC, POWER SOURCES DIV -- M81757/9-2 STORAGE BATTERY -- 6140-01-110-3855  
===== Product Identification =====

Product ID:M81757/9-2 STORAGE BATTERY  
MSDS Date:10/21/1986  
FSC:6140  
NIIN:01-110-3855  
MSDS Number: BGMGK  
=== 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 HYDROXIDE  
Fraction by Wt: 14.63%  
ACGIH TLV:0.05 MG/M3

Ingred Name:NICKEL AND NICKEL HYDROXIDE  
Fraction by Wt: 26.07%  
Other REC Limits:0.05 MG/M3  
OSHA PEL:1 MG/M3 (NI)  
ACGIH TLV:1 MG/M3 (NI); 8990

Ingred Name:COBALT HYDROXIDE  
CAS:21041-93-0  
Fraction by Wt: 0.5% %  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT KNOWN  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Re  
ports of Carcinogenicity:NTP:NO IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:ACUTE: KOH-SKIN BURNS;  
NI,NI(OH)2,CD,CD(OH)2-POSSIBLE CONTACT DERMATITIS.  
CHRONIC:NI,NI(OH)2-SUSPECTED CARCINOGENS; CD,CD(OH)2-RENAL FAILURE,  
RESPIRATORY PROBLEMS.  
Explanation of Carcinogenicity:CADMIUM & NICKEL COMPOUNDS ARE BOTH  
SUSPECTED HUMAN CARCINOGENS.  
Effects of Overexposure:SORE THROAT,COUGHING,CORROSIVE TO SKIN,SERIOUS  
SKIN BURNS,CORROSIVE TO EYES,VOMITING,DIARRHEA.  
Medical Cond A  
ggravated by Exposure:NONE KNOWN.

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

First Aid:EYES:IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR  
15 MINUTES. GET MEDICAL ATTENTION. SKIN: WASH WITH LARGE VOLUMES OF  
WATER. INGESTION: CONTACT A PHYSICIAN IMMEDIATELY. DO NOT INDUCE  
VOMITIN G. INHALATION: REMOVE TO FRESH AIR. GETMEDICAL ATTENTION.

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

Flash Point:NONE  
Autoignition Temp:Autoigni

tion Temp Text:NONE

Extinguishing Media:USE EXTINGUISHER SUITABLE FOR ELECTRICAL FIRES.

Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA.

Unusual Fire/Explosion Hazard:IF INCINERATED, MAY GIVE OFF CADMIUM  
OXIDE FUMES, VAPORS OR DUST.

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

Spill Release Procedures:WASH DOWN WITH WATER,NEUTRALIZE WITH CITRIC  
ACID.

Neutralizing Agent:CITRIC ACID.

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

Handling

and Storage Precautions:DO NOT BREAK OPEN BATTERY CASE. AVOID  
SKIN CONTACT WITH ELECTROLYTE. PROTECT EYES WHEN WORKING AROUND  
BATTERIES.

Other Precautions:DO NOT INCINERATE.

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

Respiratory Protection:NOT NORMALLY REQUIRED.

Ventilation:NOT REQUIRED.

Protective Gloves:RUBBER

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:RUBBER OR PLASTIC GARMENTS.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. LAUNDER

CONTAMINATED CLOTHING PRIOR TO REUSE.

Supplemental Safety and Health

NONE

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

HCC:N1

Appearance and Odor:24V BATTERY APPROX 9.6X10X10.3 INCHES.

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:SUBLIMES AS CADMIUM OXIDE AT 2800F.

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

Waste Disposal Methods:SEND TO A CE

RTIFIED HAZARDOUS WASTE DISPOSAL  
SITE.

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