

SAFT AMERICA INC PORTABLE BATTERY DIVISION -- VP130KHB NICAD STORAGE BATTERY CELL  
-- 6140-01-069-7376

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

Product ID:VP130KHB NICAD STORAGE BATTERY CELL

MSDS Date:03/05/1991

FSC:6140

NIIN:01-069-7376

MSDS Number: BTHJQ

=== Responsible Party ===

Company Name:SAFT AMERICA INC PORTABLE BATTERY DIVISION

Address:711 INDUSTRIAL BLVD

Box:1886

City:VALDOSTA

State:GA

ZIP:3160

1

Country:US

Info Phone Num:912-247-2331

Emergency Phone Num:800-424-9300 (CHEMTREC)

Preparer's Name:BETH JAS

CAGE:67237

=== Contractor Identification ===

Company Name:SAFT AMERICA INC PORTABLE BATTERY DIVISION

Address:711 INDUSTRIAL BLVD

Box:1886

City:VALDOSTA

State:GA

ZIP:31601

Country:US

Phone:912-247-2331

CAGE:67237

Company Name:SAFT AMERICA INC PRIMARY BATTERY DIVISION

Address:711 INDUSTRIAL BLVD

Box:1886

City:VALDOSTA

State:GA

ZIP:31601-6512

Country:US

Phone:912-247-2331

CAGE:01306

Compan

y 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 (AS CD);(SARA III)  
CAS:7440-43-9  
RTECS #:EU9800000  
Fraction by Wt: 7-13%  
Other REC Limits:0.05C FUME  
OSHA PEL:0.2 MG/M3 DUST; Z-2  
ACGIH TLV:0.01 MG/M3 DUST;9394  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM HYDOXIDE  
Fraction by Wt: 7-13%  
Other REC Limits:NONE  
RECOMMENDED  
OSHA PEL:0.2 MG/M3 (AS CD)  
ACGIH TLV:0.01 MG/M3 (AS CD)

Ingred Name:NICKEL (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 23-30%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9394

Ingred Name:NICKEL HYDROXIDE (SARA III)  
CAS:12054-48-7  
RTECS #:QR7040000  
Fraction by Wt: 23-30%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG(NI)/M3  
ACGIH TLV:0.1 MG(NI)/M3; 9394  
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 RECOMMENDED  
OSHA PEL:C, 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:COBALT HYDROXIDE  
CAS:1307-86-4  
RTECS #:GG0904000  
Fraction by Wt: 0.5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.05 MG/M3  
ACGIH TLV:0.1MG/CUM

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES  
OSHA:YES  
Health Hazards Acute and Chronic:ACUTE: UNDER NORMAL CONDITIONS OF USE,  
NO EXPOSURE TO HAZARDOUS COMPONENTS EXISTS. IF BURNING OCCURS,  
INHALATION OF FUMES MAY CAUSE RESPIRATORY IRRITATION TO PULMONARY  
EDEMA. CONTACT WITH CONTENTS IF CASE RUPTURES MAY CAUSE SKIN/EYE  
IRRITATION/BURNS. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE  
KIDNEY/LIVER DAMAGE  
Explanation of Carcinogenicity:CONTAINS CADMIUM AND NICKEL WHICH ARE  
LISTED BY NTP AND IARC AND REGULATED BY OSH  
A AS A CARCINOGEN.  
Effects of Overexposure:INHALATION: CHILLS, SWEATING, WEAKNESS,  
SHORTNESS OF BREATH, COUGHING, WHEEZING, SNEEZING. EYES: BURNING  
SENSATION, PAIN, REDNESS, TEARING. SKIN: REDNESS, PAIN, BURNS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALED: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION. EYES:  
FLUSH WITH LOTS OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL  
AT

TENTION. SKIN: REMOVE CONTAMINATED CLOTHES. FLUSH WITH WATER AND GET MEDICAL ATTENTION.

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

Flash Point:NONE

Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:TOXIC METAL FUMES MAY EVOLVE DURING BURNING/FIRE.

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

Spill

Release Procedures:UNDER NORMAL CONDITIONS OF USE, HAZARDOUS COMPONENTS WILL NOT BE RELEASED. IF ELECTROLYTE LEAKS OR IS SPILLED, NEUTRALIZE WITH MILD ACID THEN FLUSH WITH WATER.

Neutralizing Agent:5% ACETIC ACID.

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

Handling and Storage Precautions:DO NOT BREAK OPEN OR MUTILATE CASE. DO NOT SHORT CIRCUIT. DO NOT INCINERATE.

Other Precautions:IF CASE BORKEN OPEN, ELECTROLYTE IS CORROSIVE ON CONTACT; WEAR PROPER PROTECTIVE CLOTHING (IE, IMPERVIOUS GLOVES, SAFETY GOGGLES, ETC).

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF EMERGENCY OCCURS; WEAR USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:NONE NORMALLY REQUIRED.

Protective Gloves:IF CASE RUPTURED, RUBBER OR PVC.

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:IF INVOLVED IN FIRE, FULL PROTECTIVE CLOTHING (EG BUNKER GEAR).

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

AVOID CONTACT WITH INNER COMPONENTS. PURCHASED UNDER CONTRACT #: DLA430-93-C-5277.

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

HCC:N1

Appearance and Odor:BATTERY W/PRISMATIC NYLON CASE; 2.7 IN WIDE X 1.2 IN THICK X 4.75 IN LONG.

=====

== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: METAL OXIDE FUMES MAY BE EVOLVED AT HIGH TEMPERATURES.

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

Waste Disposal Methods: IF DISCARDED, TREAT AS RCRA WASTE. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer (provi

ded 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.