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SAFT AMERICA INC PORTABLE BATTERY DIVISION -- NICKEL CADMIUM SELAED CELL BATTERY -- 6140-01-260-7394

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

Product ID:NICKEL CADMIUM SELAED CELL BATTERY

MSDS Date:02/28/1991

FSC:6140

NIIN:01-260-7394

MSDS Number: BWPVD === Responsible Party ===

Company Name: SAFT AMERICA INC PORTABLE BATTERY DIVISION

Address:711 INDUSTRIAL BLVD

Box:1886

City: VALDOSTA

State:GA ZIP:31601 Country:US

Info Phone Num:912-247-2331

Emergency Phone Num:912-247-2331

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

======= Composition/Information on Ingredients ========

Ingred Name: CADMIUM (AS CD); (SARA III), PERCENTAGE INCLUDES INGRED 2

AND INGRED 3 CAS:7440-43-9

RTECS #:EU9800000 Fraction by Wt: 8-20%

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r REC Limits:NONE RECOMMENDED 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 HYDROXIDE (SEE INGRED 1)

CAS:21041-95-2

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.05 MG CD/M3 ACGIH TLV:0.05 MG CD/M3

Ingred Name: CADMIUM OXIDE (SARA III) SEE INGRED 1

CAS:1306-19-0

RTECS #:EV1925000

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.2 MG (CD)/M3 DUST ACGIH TLV:0.01 MG(CD)/M3; 9394

Ingred Name: NICKEL (SARA III), PERCENTAGE INCLUDES

IN 5 AND INGRED 6 CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: 15-35%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9394

Ingred Name: NICKEL HYDROXIDE (SARA III), SEE INGRED 4

CAS:12054-48-7

RTECS #:QR7040000

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: NICKEL OXIDE, SEE INGRED 4

CAS:1313-99-1

RTECS #:QR8400000

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1 MG/M3 AS NI

**ACGIH TLV:1** 

MG/M3 AS NI
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO Health Hazards Acute and Chronic:UNDER NORMAL CONDITIONS,THERE IS NO HAZARD.IF INCINERATED,INHALATION OF FUMES MAY CAUSE RESPIRATORY IRRITATION AND LUNG DAMAGE.CHRONIC:MAY CAUSE KIDNEY AND LUNG INJURY.
Explanation of Carcinogenicity:NICKEL AND CADMIUM ARE LISTED UNDER IARC AND NTP. NO EX POSURE EXPECTED UNDER NORMAL CONDITIONS OF USE.
Effects of Overexposure:INHAL:IF INCINERATED,CHEST PAIN,COUGHING,SWEATING CHILLS,SHORTNESS OF BREATH,WEAKNESS.INGEST:CADMIUM MAY CAUSE NAUSEA,VOMITING,DIARRHEA,ABDOMINAL CRAMPS.SKIN:NICKEL COMPOUNDS MAY CAUSE DERMATITIS.
Medical Cond Aggravated by Exposure:IF INCINERATED,RESPIRATORY,PROSTATE,LIVER AND KIDNEY AILMENTS MAY BE EXASCERBATED.
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First Aid:SKIN:RE MOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.IF SYMPTOMS DEVELOP,GET MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEED ED.INGEST:GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,INDUCE VOMITING.
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Flash Point:NONE Extinguishing Media:WATER FOG,DRY CHEMICAL,CARBON DIOXIDE. Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATU S AND FULL PROTECTIVE EQUIPMENT. Unusual Fire/Explosion Hazard:TOXIC METAL OXIDE FUMES MAY BE EVOLVED DURING FIRE.
========= Accidental Release Measures ==========
Spill Release Procedures:IF BATTERY RUPTURES, WEAR PROTECTIVE GLOVES AND SAFETY GLASSES. VACUUM WITH A HEPA FILTER(PREFERRED) OR SOAK UP WITH A NON-COMBUSTIBLE ABSORBANT,PLACE IN AN A PLASTIC CONTAINER FOR DISPOSAL.CLEAN SPIL L AREA. Neutralizing Agent:NOT REPORTED.
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ling and Storage ============
Handling and Storage Precautions:STORE IN COOL, DRY PLACE. PROTECT FROM PHYSICAL DAMAGE, HEAT, FLAMES.  Other Precautions:DO NOT SHORT CIRCUIT BATTERIES. THEY MAY CAUSE BURNS WHEN IN CONTACT WITH SKIN OR EYES. USE PROPER BATTERY CHARGER. OBSERVE CORRECT POLARITY.
====== Exposure Controls/Personal Protection =======
Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE EITHER A SELF-CONTA INED BREATHING APPARATUS OR A NIOSH/MSHA APPROVED RESPIRATOR FOR CAUSTIC/METAL FUMES, DEPENDING ON THE AIRBORN CONC ENTRATION. Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL. Protective Gloves:IMPERVIOUS Eye Protection:GOGGLES WHEN HANDLING RUPTURED BATTERIES Other Protective Equipment:PROTECTIVE CLOTHING, AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER. Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STR EET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.
Supplemental Safety and Health NONE.
========= Physical/Chemical Properties ==========
HCC:N1 Spec Gravity:1.6 Appearance and Odor:BATTERY,3 SEALED CELLS.  ==================================
Stability Indicator/Materials to Avoid:YES NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES.
Hazardous Decomposition Products:METAL O

## XIDE FUMES MAY BE EVOLVED AT TEMPERATURES ABOVE MELTING POINT.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT INCINERATE.THIS IS RCRA HAZARDOUS WASTE.HMIS SUGGESTS:D006(CADMIUM,D002(CORROSI VE).

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