

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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er 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:

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

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 E
XPOSURE 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 Measures =====

First Aid:SKIN:R
REMOVE 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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===== Fire Fighting Measures =====

Flash Point:NONE
Extinguishing Media:WATER FOG,DRY CHEMICAL,CARBON DIOXIDE.
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard:TOXIC METAL OXIDE FUMES MAY BE EVOLVED DURING FIRE.

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===== 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 SPILL AREA.
Neutralizing Agent:NOT REPORTED.

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Handling 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-CONTAINED BREATHING APPARATUS OR A NIOSH/MSHA APPROVED RESPIRATOR FOR CAUSTIC/METAL FUMES,DEPENDING ON THE AIRBORN CONCENTRATION.

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 STREET

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 and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES.

Hazardous Decomposition Products:METAL

OXIDE 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 (CORROSIVE).

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