

SAFT AMERICA INC PORTABLE BATTERY DIVISION -- NICKEL-CADMIUM SEALED CELL BATTERY
405313-1 -- 6140-01-137-6032

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

Product ID:NICKEL-CADMIUM SEALED CELL BATTERY 405313-1

MSDS Date:02/28/1991

FSC:6140

NIIN:01-137-6032

MSDS Number: BQSXR

=== 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

Preparer's Name:ILLEGIBLE SIGNATURE

CAGE:67237

=== Contractor Identification ===

Company Name:PLAINVIEW BATTERIES INC

Address:23 NEWTOWN RD

Box:City:PLAINVIEW

State:NY

ZIP:11803

Country:US

Phone:516-249-2873

Contract Num:SP0430-01-M-FJ19

CAGE:0LEJ1

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

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Composition/Information on Ingredients
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Ingred Name:CADMIUM (SARA III)
CAS:7440-43-9
RTECS #:EU9800000
Fraction by Wt: 8-20%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1027
ACGIH TLV:0.01 MG/M3 DUST;9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM HYDROXIDE
CAS:21041-95-2
Fraction by Wt: 8-20%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3 (CD FUME)
ACGIH TLV:C, 0.05 MG/M3 CD

Ingred Name:CADMIUM OXIDE (SARA III)
CAS:1306-19-0

RTECS #:EV1925000
Fraction by Wt: 8-20%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1027
ACGIH TLV:0.05 MG(CD)/M3; 9293

Ingred Name:NICKEL (SARA III)
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; 9293

Ingred Name:NICKEL HYDROXIDE (SARA III)
CAS:12054-48-7
RTECS #:QR7040000
Fraction by Wt: 15-35%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG NI/M3
ACGIH TLV:0.1 MG NI/M3; 9293
EPA Rpt Qty:10 LBS
DOT Rpt Q

ty:10 LBS

Ingred Name:NICKEL OXIDE

CAS:1313-99-1

RTECS #:QR8400000

Fraction by Wt: 15-35%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3 (NI)

ACGIH TLV:1 MG/M3 (NI)

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===== 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:NO EXPOSURE IS NORMALLY EXPECTED. IF BATTERY IS CRACKED, SKIN CONTACT MAY CAUSE LOCAL DERMATITIS, INHALATIO

N MAY CAUSE UPPER RESPIRATORY IRRITATION, PULMONARY EDEMA AND DEATH. INGESTION MAY CAUSE INTE STINAL DISORDERS.

Explanation of Carcinogenicity:NICKEL IS CARCINOGEN BY IARC, SUSPECT CARCINOGEN BY NTP. CADMIUM IS CARCINOGEN BY OSHA, SUSPECT CARCINOGEN BY IARC & NTP

Effects of Overexposure:NO EXPOSURE IS NORMALLY EXPECTED. IF BATTERY IS CRACKED, CONTACT MAY CAUSE IRRITATION AND LOCAL DERMATITIS. INHALATION MAY CAUSE IRRITATION OF NOSE AND THROAT, COUGHING, CHEST PAINS, CHILL

S, SHORTNESS OF BREATH, WEAKNESS, PULMONARY EDEMA, DEATH. INGESTION MAY CAUSE NAUSEA, VOMITING, DIARRHEA, ABDOMINAL CRAMPS.

Medical Cond Aggravated by Exposure:RESPIRATORY SYSTEM DISORDERS, PROSTATE DISORDERS, LIVER AND KIDNEY DISORDERS.

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

First Aid:EYES/SKIN: FLUSH WITH WATER FOR 15 MINUTES. IF SYMPTOMS DEVELOP SEE A PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. SEE A PHYSICIAN. INGESTION: INDUCE VOMITING IF UNCONSCIOUS. SEE A PHYSICIAN.

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

Flash Point:NONE

Extinguishing Media:USE WATER, DRY CHEMICAL, CARBON DIOXIDE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release

Procedures:IF CASE IS CRACKED, COLLECT THE SPILLED MATERIAL AND PLACE IN A PLASTIC-LINED CONTAINER. HEPA VACUUMING IS PREFERRED. FLUSH SPILLED AREA WITH WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:PROTECT BATTERY TERMINALS. AVOID SHORTING. PROTECT AGAINST CRACKING BATTERY.
Other Precautions:NONE.

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Exposure Controls/Personal Protection
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Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED RESPIRATOR FOR DUST IF BATTERY IS CRACKED.
Ventilation:NO SPECIAL REQUIREMENT.
Protective Gloves:RUBBER GLOVES IF BATTERY IS CRACKED.
Eye Protection:GOGGLES IF BATTERY IS CRACKED.
Other Protective Equipment:NO SPECIAL REQUIREMENT. WORK CLOTHING AS REQUIRED TO AVOID CONTACT IF BATTERY IS CRACKED.
Work Hygienic Practices:KEEP FOOD AND TOBACCO AWAY FROM WORK AREA.
Supplemental Safety and Health
NONE.

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Physical/Chemical Properties
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HCC:N1
Spec Gravity:1.6
pH:ALKALI
Appearance and Odor:NICKEL-CADMIUM SEALED CELL BATTERY

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:METAL OXIDES FUMES MAY BE EVOLVED AT TEMPERATURES ABOVE MELTING POINT.

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Disposal Considerations
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Waste Disposal

Methods:CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER.
DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL
ENVIRONMENTAL REGULATIONS. TREAT AS HAZARDOUS WASTE.

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