

SAFT AMERICA INC PORTABLE BATTERY DIVISION -- NICKEL-CADMIUM SEALED CELL BATTERY --
6140-01-070-7367

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

Product ID:NICKEL-CADMIUM SEALED CELL BATTERY

MSDS Date:02/28/1991

FSC:6140

NIIN:01-070-7367

MSDS Number: BRKTQ

=== 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:AVEX ELECTRONICS CORP

Address:1683 WINCHESTER ROAD

Box:1026

City:BENSALEM

State:PA

ZIP:19020-4510

Country:US

Phone:215-638-1515

CAGE:58414

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.

Address:711 INDUSTRIAL BLVD

Box:

1886
City:VALDOSTA
State:GA
ZIP:31602
Country:US
Phone:912-247-2331
CAGE:09052

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Composition/Information on Ingredients
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Ingred Name:CADMIUM (PRESENT AS CADMIUM, CADMIUM HYDROXIDE, CADMIUM OXIDE)

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:NICKEL (PRESENT AS NICKEL, NICKEL HYDROXIDE, NICKEL OXIDE)

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

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:INHALATION OF DUST OR FUME FROM
CADMIUM & ITS COMPOUNDS MAY CAUSE IRRITATION OF THE NOSE & THROAT.
IF HIGH CONCENTRATIONS ARE INHALED, A DELAYED REACTION MAY DEVELOP.

IN SEVERE CASES, DEATH MAY RESULT FROM PULMONARY EDEMA. NICKEL & CERTAIN NICKEL COMPOUNDS MAY CAUSE LOCAL DERMATITIS FROM SKIN CONTACT.

Explanation of Carcinogenicity:NICKEL AND CADMIUM AND THEIR COMPOUNDS ARE KNOWN OR SUSPECT CARCINOGENS.

Effects of Overexposure:INGESTION OF CADMIUM DUST MAY CAUSE NAUSEA, VOMITING, DIARRHEA & ABDOMINAL CRAMPS. IRRITATION OF NOSE AND THROAT, SWAETING, CHILLS, SHORTNESS OF BREATH, WEAKNESS, LOCAL DERMATITIS, NAUSEA, COUGHING, C HEST

PAINS.

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

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First Aid Measures
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First Aid:INHALATION-REMOVE FROM EXPOSURE, SEE PHYSICIAN.
INGESTION-INDUCE VOMITING IF CONSCIOUS, SEE A PHYSICIAN. SKIN OR
EYE-FLUSH WITH WATER FOR 15 MINUTES. SEE PHYSICIAN IF SYMPTOMS
DEVELOP.

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Fire Fighting Measures
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Extinguishing Media:DRY C
HEMICAL, CARBON DIOXIDE, WATER.
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SELF-CONTAINED
BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING IF INVOLVED IN A
FIRE.

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Accidental Release Measures
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Spill Release Procedures:CONTAIN THE SPILL. COLLECT THE SPILLED
MATERIAL & PLACE IT IN A PLASTIC-LINED CONTAINER. HEPA VACUUMING IS
PREFERRED. FLUSH SPILL AREA WITH WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:WEAR NIOSH/MSHA APPROVED DUST MASK OR
RESPIRATOR; IMPERVIOUS GLOVES; AND SAFETY GLASSES OR GOGGLES.
Other Precautions:KEEP CONTAINER CLOSED, AVOID CONTACT WITH CLOTHING,
AVOID GENERATING DUST.

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Exposure Controls/Personal Protection
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Respiratory Protection:NIOSH.MSHA APPROVED FOR DUST.
Ventilation:LOCAL EXHAUST, MECHANICAL (GENERAL) VENTILATION.
Protective Gloves:IMPERVIOUS GLOVES
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Eye Protection:SAFETY GLASSES/GOGGLES.
Other Protective Equipment:DO NOT WEAR CONTAMINATED CLOTHING HOME.
SHOWER AND CHANGE OR WEAR COVERALLS.
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
Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

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Stability and Reactivity Data
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Stability Indicator/Materials t

o Avoid:YES

NA

Stability Condition to Avoid:GENERAL STORAGE PROCEDURES FOR HAZARDOUS MATERIAL ARE ACCEPTABLE.

Hazardous Decomposition Products:METAL OXIDE FUMES MAY BE EVOLVED AT TEMPERATURES ABOVE MELTING POINT.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS. IF DISCARDED, TREAT AS HAZARDOUS WASTE.

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mation 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.