

SAFT AMERICA INC POWER SOURCES DIV -- NICKEL-CADMIUM SEALED CELL BATTERY --
6140-00-738-5914

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

Product ID:NICKEL-CADMIUM SEALED CELL BATTERY

MSDS Date:02/28/1991

FSC:6140

NIIN:00-738-5914

MSDS Number: BNVZC

=== Responsible Party ===

Company Name:SAFT AMERICA INC POWER SOURCES DIV

Address:711 INDUSTRIAL BLVD

Box:1886

City:VALDOSTA

State:GA

ZIP:31603

Country:US

Info

Phone Num:912-247-2331

Emergency Phone Num:912-247-2331

CAGE:09052

=== Contractor Identification ===

Company Name:ATLAS AMERICAN CORP DBA ATLAS SPECIALTY

Address:7304 N FLORIDA AVE

Box:UNKNOW

City:TAMPA

State:FL

ZIP:33604-4838

Country:US

Phone:813-238-6481

CAGE:77922

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.

Address:711 INDUSTRIAL BLVD

Box:1886

City:VALDOS

TA
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 (SARA III)
CAS:7440-43-9
RTECS #:EU9800000
Fraction by Wt: 35%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG NI/M3 DUST
ACGIH TLV:1 MG NI/M3 DUST 9192

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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 Haz

ards Acute and Chronic:PRODUCT IS A SEALED UNIT. HAZARDS ARE
BASED ON BROKEN AND LEAKING CELLS. INHALATION: DUST AND FUMES MAY
CAUSE IRRITATION OF RESPIRATORY TRACT,COUGHING,CHEST PAIN,SHORTNESS
OF BREATH,LUNG INJURY,KIDNEY DISFUNCTION,AND DEATH FROM PULMONARY
EDEMA. INGESTION: NAUSEA,VOMITING,DIARRHEA,ABDOMINAL
CRAMPS,INTESTINAL DISORDERS.

Explanation of Carcinogenicity:NICKEL AND CADMIUM AND THEIR COMPOUNDS
ARE LISTED AS CARCINOGENS OR POTENTIAL CARCINOGENS BY NTP, IAR
C,
AND OSHA.

Effects of Overexposure:INHALATION: COUGHING, CHEST PAIN, SHORTNESS OF
BREATH, WEAKNESS, SWEATING CHILLS. EYES: REDNESS, TEARING. SKIN:
REDNESS. RASH, ITCHING. INGESTION: NAUSEA, VOMITING, DIARRHEA,
ABDOMINAL CRAMPS.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND RESPIRATORY
DISORDERS, PROSTRATE DISORDERS, LIVER AND KIDNEY DISORDERS.

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First Aid Measures
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First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER

. SKIN: WASH WITH SOAP
AND WATER. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING GIVE
CPR. GET MEDICAL ATTENTION. INGESTION: IF CONSCIOUS, INDUCE
VOMITING. GET MEDICAL ATTENTION.

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Fire Fighting Measures
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Flash Point:NONE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. DRY
CHEMICAL, CARBON DIOXIDE, WATER.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE GEAR IF INVOLVED IN A FIR

E.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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Accidental Release Measures
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Spill Release Procedures:COLLECT SPILL AND PLACE IN A PLASTIC-LINED
CONTAINER FOR DISPOSAL. HEPA VACUUMING OF DUST IS PREFERRED. FLUSH
SPILL AREA WITH WATER.

Neutralizing Agent:NONE

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Handling and Storage
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Handling and Storage Precautions:NOT NORMALLY A PROBLEM. HOWEVER FOR
HANDLING BROKEN OR LEAKING CELLS

WEAR PROPER PROTECTIVE CLOTHING

AND AVOID CONTACT WITH AND BREATHING OF DUST.

Other Precautions:AVOID GENERATING DUST WHEN HANDLING BROKEN OR LEAKING
CELLS.

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Exposure Controls/Personal Protection
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Respiratory Protection:NOT NORMALLY REQUIRED. USE NIOSH/MSHA APPROVED
RESPIRATOR FOR DUST IF DUST FROM LEAKING CELLS IS BEING GENERATED.

Ventilation:NOT REQUIRED FOR NORMAL HANDLING OF PRODUCT.

Protective Gloves:IMPERVIOUS GLOVES WHEN HANDLING LEAKERS.

Eye Pro

tection:SAFETY GLASSES/GOGGLES FOR LEAKERS.

Other Protective Equipment:EYE WASH STATION.

Work Hygienic Practices:WASH HANDS AFTER HANDLING BROKEN CELLS BEFORE
EATING, DRINKING, OR SMOKING. DO NOT WEAR CONTAMINATED CLOTHING
HOME.

Supplemental Safety and Health

HEALTH AND OTHER SAFETY PRECAUTIONS ARE GENERALLY FOR THE METAL DUSTS
OF THE INGREDIENTS FROM BROKEN OR LEAKING CELLS. IN NORMAL USE,
DUSTS ARE NOT GENERATED.

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Physical/Chemical Properties
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HCC:Z5

Spec Gravity:1.6

Solubility in Water:INSOLUABLE

Appearance and Odor:1.034 INCH DIA BY 0.936 INCH LONG BATTERY, 1.2 VOLTS.

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===== Stability and Reactivity Data =====

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

Stability Condition to Avoid:NONE

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

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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

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