

SAFT AMERICA INC POWER SOURCES DIV -- AV-2000B NICKEL-CADMIUM SEALED CELL BATTERY
-- 6140-00-830-1901

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

Product ID:AV-2000B NICKEL-CADMIUM SEALED CELL BATTERY

MSDS Date:02/28/1991

FSC:6140

NIIN:00-830-1901

MSDS Number: BZQWN

=== Responsible Party ===

Company Name:SAFT AMERICA INC POWER SOURCES DIV

Address:711 INDUSTRIAL BLVD

Box:1886

City:VALDOSTA

State:GA

ZIP:316

03

Country:US

Info Phone Num:912-247-2331

Emergency Phone Num:912-247-2331

Preparer's Name:UNREADABLE

CAGE:09052

=== 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.

Address:711 INDUSTRIAL BLVD

Box:1886

City:VALDOSTA

State:GA

ZIP:31602

Country:US

Phone:912-247-2331

CAGE:09052

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

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Ingred Name:CADMIUM (SARA 313) (CERCLA)

CAS:7440-43-9

RTECS #:EU9800000

Fraction by Wt: 35%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1 MG(NI)/M3

ACGIH TLV:0.1 MG(NI)/M3; 9596

EPA Rpt Qty:10 LBS

DOT Rpt Qty: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 AS NI

ACGIH TLV:1 MG/M3 AS NI

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

Routes of Entry: Inhalation:YES Skin:NO

Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards 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,KIDNE Y 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, IARC, 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.

===== First Aid Me

asures =====

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. 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.

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

Extinguishing Media:WATER FOG, CARBON DIOXIDE, DRY CHEMICAL.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING IF INVOLVED IN A FIRE.
Unusual Fire/Explosion Hazard:NOT APPLICABLE.

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

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

===== Handling and Storage =====

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.

===== Exposure Controls/Personal Protection =====

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 Protection: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

E NOT GENERATED. NOTE PER VENDOR: THESE SEALED NI-CAD BATTERIES ARE AN ARTICLE PER 29 CFR 19100.1200 AND DO NOT REQUIRE AN MSDS.

===== Physical/Chemical Properties =====

HCC:N1

Spec Gravity:1.6

Solubility in Water:INSOLUBLE

Appearance and Odor:1.531' WIDE X 1.531' LONG X 3.828' HIGH; 6 VOLT, 0.09 AMP/HR, 11 HR CAPACITY.

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

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

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

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== 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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