

SAFT AMERICA INC PORTABLE BATTERY DIVISION -- 7.OSCB NICKEL-CADMIUM SEALED CELL
BATTERY -- 6140-00-520-2683

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

Product ID:7.OSCB NICKEL-CADMIUM SEALED CELL BATTERY

MSDS Date:02/28/1991

FSC:6140

NIIN:00-520-2683

MSDS Number: CBSZV

=== 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:UNREADABLE

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

===== Composi

tion/Information on Ingredients =====

Ingred Name:INGREDIENTS 2-4 TOTAL OF 8-20% (AS CADMIUM METAL)

RTECS #:9999999ZZ

Other REC Limits:NONE RECOMMENDED

Ingred Name:CADMIUM (SARA 313) (CERCLA)

CAS:7440-43-9

RTECS #:EU9800000

Fraction by Wt: 8-20%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 MG/M3 DUST; Z-2

ACGIH TLV:0.01 MG/M3 DUST;9596

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:

0.05 MG CD/M3

ACGIH TLV:0.05 MG CD/M3

Ingred Name:CADMIUM OXIDE (SARA 302/313) (CERCLA)

CAS:1306-19-0

RTECS #:EV1925000

Fraction by Wt: 8-20%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 MG (CD)/M3 DUST

ACGIH TLV:0.01 MG(CD)/M3; 9596

Ingred Name:INGREDIENTS 6-8 TOTAL 15-35% (AS NICKEL METAL)

RTECS #:9999999ZZ

Other REC Limits:NONE RECOMMENDED

Ingred Name:NICKEL (SARA 313) (CERCLA)

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; 9596

Ingred Name:NICKEL HYDROXIDE (SARA 313) (CERCLA)
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; 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: In
halation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: INHALATION OF DUST OR FUMES
FROM CADMIUM OR NICKEL MAY CAUSE IRRITATION OF NOSE AND THROAT.
INGESTION OF CADMIUM OR NICKEL DUST MAY CAUSE GI TRACT IRRITATION.
NICKEL AND CERTAIN NICKEL COMPOUND S MAY CAUSE DERMATITIS ON SKIN
CONTACT.CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE LUNG
CANCER OR BONE LESIONS.
Explanation of Carcinogenicity:CON
TAINS CADMIUM AND NICKEL AND THEIR
COMPOUNDS WHICH ARE LISTED BY NTP AND IARC AND REGULATED BY OSHA AS
A CARCINOGEN.
Effects of Overexposure:INHALED: COUGHING, SNEEZING, WHEEZING,
SHORTNESS OF BREATH, CHILLS, WEAKNESS, COUGHING, CHEST PAINS. SKIN:
REDNESS, ITCHING, DISCOMFORT. INGESTED: NAUSEA, VOMITING, DIARRHEA,
ABDOMINAL CRAMPS.
Medical Cond Aggravated by Exposure:RESPIRATORY SYSTEM DISORDERS,
PROSTATE DISORDERS, LIVER AND KIDNEY DISORDERS.

===== Fi

First Aid Measures =====

First Aid:INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.
INGESTION: INDUCE VOMITING IF CONSCIOUS. GET MEDICAL ATTENTION.
SKIN OR EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL
ATTENTION IF SYMPTOMS DEVELOP.

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

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER
Fire Fighting Procedures:WEAR 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:CONTAIN SPILL. COLLECT THE SPILLED MATERIAL
AND PLACE IN A PLASTIC-LINED CONTAINER; HEPA VACUUMING IS
PREFERRED. FLUSH SPILL AREA WITH WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:WEAR PROPER PROTECTIVE CLOTHING
. STORE
IN A COOL, DRY AREA.
Other Precautions:KEEP CONTAINER CLOSED. AVOID CONTACT WITH CLOTHES.
AVOID GENERATING DUST.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF EMERGENCY OCCURS; USE
NIOSH/MSHA APPROVED RESPIRATOR WITH DUST CARTRIDGE. USE IN
ACCORDANCE WITH 29 CFR 1910.134 AND THE RESPIRATOR MANUFACTURER'S
RECOMMENDATIONS.
Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO
MAINTAIN EXPOSURE BELOW PEL/TLV.
Protective Gloves:PVC OR NEOPRENE IF SPILLED OR BROKEN
Eye Protection:SAFETY GLASSES
Other Protective Equipment:WEAR COVERALLS WHEN HANDLING. HMIS: EYE WASH
STATION & SAFETY SHOWER AVAILABLE.
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.
Supplemental Safety and Health

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

HCC:N1
Spec Gravity:1-6
Solubility in W

ater:NEGLIGIBLE

Appearance and Odor:BATTERY, SEALED PLASTIC CASE, 1 CELL, 1.30 X 3.59 INCHES; 1.5 VOLTS, 7 AMP/HR.

===== 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.

===== Dispos
al Considerations =====

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

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