

SAFT AMERICA INC PORTABLE BATTERY DIVISION -- NICKEL-CADMIUM SEALED CELL BATTERY --
6140-01-212-8087

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

Product ID:NICKEL-CADMIUM SEALED CELL BATTERY

MSDS Date:02/28/1991

FSC:6140

NIIN:01-212-8087

MSDS Number: CDZYB

=== 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:CANADIAN COMMERCIAL CORP

Address:50 OCONNOR ST 11TH FLOOR

Box:City:OTTAWA, ONT

Country:CN

Phone:613-996-0034

CAGE:98247

Company Name:DRS FLIGHT SAFETY AND COMMUNICATIONS A DRS TECHNOLOGIES
CANA

Address:115 EMILY STREET

Box:82

City:CARLETON PLACE

State:ON

Country:CA

Phone:613-253-3020

CAGE:36452

Company Name:OLD WORLD INDUSTRIES INC

Addr

ess:4065 COMMERCIAL AVE
Box:City:NORTHBROOK
State:IL
ZIP:60062-1851
Country:US
Phone:847-559-2000/2116/FAX: 847-559-2173
CAGE:0U3B1
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 =====

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
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SHA 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)/M
3
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: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 COMPOUNDS MAY CAUSE DERMATITIS ON SKIN

CONTACT. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE LUNG

CANCER OR BONE LESIONS.

Explanation of Carcinogenicity: CONTAINS 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.

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First Aid Measures
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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.

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Fire Fighting Measures
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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.

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Accidental Release Measures
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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.

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Handling and Storage
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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.

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Exposure Controls/Personal Protec

tion =====

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. LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

MSDS PRESENTED BY CAGE 98247 FOR CONTRACT SP0430-97-C-0248. ITEM IS SPAR PART NUMBER 127925-1.

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

HCC:Z5

Spec Gravity:1-6

Solubility in Water:NEGLIGIBLE

Appearance and Odor:BATTERY ASSEMBLY (6-BATTERIES), 3.64 X 5.78 INCHES X 2.38.

===== 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.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDER

AL, STATE,
AND LOCAL LAWS. IF DISCARDED TREAT AS HAZARDOUS WASTE.

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