

SAFT AMERICA INC PRIMARY BATTERY DIVISION -- NICKEL-CADMIUM SEALED CELL BATTERY --
6140-01-013-8574

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

Product ID:NICKEL-CADMIUM SEALED CELL BATTERY
MSDS Date:02/18/1991
FSC:6140
NIIN:01-013-8574
Status Code:A
MSDS Number: CJGKW
=== Responsible Party ===
Company Name:SAFT AMERICA INC PRIMARY BATTERY DIVISION
Address:711 INDUSTRIAL BLVD
Box:1886
City:VALDOSTA
State
:GA
ZIP:31601-6512
Country:US
Info Phone Num:912-247-2331
Emergency Phone Num:912-247-2331
Preparer's Name:NOT READABLE
CAGE:01306

=== Contractor Identification ===

Company Name:SAFT AMERICA INC PRIMARY BATTERY DIVISION
Address:711 INDUSTRIAL BLVD
Box:1886
City:VALDOSTA
State:GA
ZIP:31601-6512
Country:US
Phone:912-247-2331
CAGE:01306

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

Ingred Name:CADMIUM
CAS:7440-43-9
RTECS #:EU9800000
Minimum % Wt:8.
Maximum % Wt:20.
OSHA PE

L:see 1910.1027
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM HYDROXIDE
CAS:21041-95-2
RTECS #:EV1260000
Minumum % Wt:8.
Maxumum % Wt:20.

Ingred Name:CADMIUM OXIDE
CAS:1306-19-0
RTECS #:EV1925000
Minumum % Wt:8.
Maxumum % Wt:20.

Ingred Name:NICKEL
CAS:7440-02-0
RTECS #:QR5950000
Minumum % Wt:15.
Maxumum % Wt:35.
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3

Ingred Name:NICKEL HYDROXIDE
CAS:12054-48-7
RTECS #:QR7040000
Minumum % Wt:15.
Maxumum % Wt:35.
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3
EPA
Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:NICKEL OXIDE
CAS:1313-99-1
RTECS #:QR8400000
Minumum % Wt:15.
Maxumum % Wt:35.

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

LD50 LC50 Mixture:NONE STATED BY MANUFACTURER.
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:NOT FOUND ON MANUFACTURER'S MSDS.
TARGET ORGANS: LIVER, KIDNEYS, PROSTATE, RESPIRATORY SYSTEM, SKIN.
DLA-HMIS:EXPOSURE TO CONTENTS MAY CAUSE IRRITATION OF N

OSE &

THROAT. EXPOSURE TO NICKEL COMPOUNDS MAY CAUSE DERMATITIS, SKIN SENSITIZATION(NICKEL ITCH). CHRONIC: EXPOSURE TO CONTENTS MAY CAUSE CANCER.

Explanation of Carcinogenicity:PER MANUFACTURER'S MSDS NICKEL & CADMIUM AND THEIR COMPOUNDS ARE LISTED AS CARCINOGENS OR POTENTIAL CARCINOGENS BY NTP, IARC AND OSHA.

Effects of Overexposure:IRRITATION OF NOSE & THROAT, SWEATING, CHILLS, SHORTNESS OF BREATH, WEAKNESS, LOCAL DERMATITIS, NAUSEA, COUGHING, CHEST PAINS.

Medical

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

=====
First Aid Measures
=====

First Aid:INHALED-REMOVE FROM EXPOSURE. SEE PHYSICIAN. INGESTED-INDUCE VOMITING IF CONSCIOUS. SEE A PHYSICIAN. SKIN OR EYES: FLUSH WITH WATER FOR 15 MINUTES. SEE PHYSICIAN IF SYMPTOMS DEVELOP.

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

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE (CO2), WATER.

Fire Fighting Procedures:USE 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:CONTAIN THE SPILL. COLLECT THE SPILLED MATERIAL AND PLACE IN A PLASTIC-LINED CONTAINER. HEPA VACUUMING IS PREFERRED. FLUSH SPILL WITH WATER.

Neutralizing Agent:NONE STATED BY MANUFACTURER. DLA-HMIS: MILD ACID IS CONTENTS LEAK.

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

Handling and Storage Precautions:WEAR NIOSH/MSHA APPROVED DUST MASKS OR RESPIRATORS, IMPERVIOUS GLOVES AND SAFETY GLASSES OR GOGGLES.

Other Precautions:KEEP CONTAINER CLOSED. AVOID CONTACT WITH CLOTHING. AVOID GENERATING DUST.

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

Respiratory Protection:NIOSH/MSHA APPROVED FOR DUSTS

Ventilation:LOCAL EXHAUST OR MECHA

NICAL (GENERAL) VENTILATION.

MAINTAIN OSHA PEL

Protective Gloves:IMPERVIOUS.

Eye Protection:SAFETY GLASSES/GOGGELS.

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

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

HCC:Z5

Spec Gravity:1.6 (H2O=1)

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

Stability Indicator/Materials to Avoid:YES

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.

===== Toxicological Information =====

Toxicological Information:NONE STATED BY MANUFACTURER.

===== Ecological Information =====

Ecolog

ical:NONE STATED BY MANUFACTURER.

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

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

===== MSDS Transport Information =====

Transport Information:NONE STATED BY MANUFACTURER.

===== Regulatory Information =====

SARA Title III Information:NONE STATED BY MANUFACTURER.

Federal Regulatory I

nformation:NONE STATED BY MANUFACTURER.

State Regulatory Information:NONE STATED BY MANUFACTURER.

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):
This information 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.