

SAFT AMERICA, INC -- NICKEL-CADMIUM SEALED CELL BATTERY -- 6140-01-072-3124

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Product Identification
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Product ID:NICKEL-CADMIUM SEALED CELL BATTERY

MSDS Date:02/28/1991

FSC:6140

NIIN:01-072-3124

MSDS Number: BPZJQ

=== Responsible Party ===

Company Name:SAFT AMERICA, INC

Address:711 INDUSTRIAL BLVD

City:VALDOSTA

State:GA

ZIP:31602

Country:US

Info Phone Num:912-247-2331

Emergency Phone Num

:912-247-2331

CAGE:KO178

=== Contractor Identification ===

Company Name:SAFT AMERICA

Box:1886

Country:US

CAGE:6M493

Company Name:SAFT AMERICA, INC.

Address:711 INDUSTRIAL BLVD

Box:1886

City:VALDOSTA

State:GA

ZIP:31603

Country:US

Phone:912-247-2331

CAGE:KO178

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Composition/Information on Ingredients
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Ingred Name:CADMIUM (SARA III).OSHA PEL 0.2 MG/M3 FOR DUST.ACGIH TLV
ON INTENDED CHANGE LIST.TOTAL % OF INGREDIENDS 1,2 &3 IS 8-20.

CAS:7440-43-9

RTECS #:EU9800000

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ther REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1027
ACGIH TLV:0.01 MG/M3 DUST;9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM HYDROXIDE.OSHA PEL 0.2 MG/M3 FOR DUST.ACGIH TLV FOR
RESP FRACTION,INTENDED CHANGE LIST.TOTAL % 1,2 & 3 IS 8-20.

CAS:21041-95-2

Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG(CD)/M3,FUME
ACGIH TLV:0.002 MG(CD)/M3

Ingred Name:CADMIUM OXIDE (SARA III).OSHA PEL 0.2 MG/M3 FOR DUST.ACGIH
TLV FOR RESP FRACTION,INTENDED CHANGE.TOTAL 1,2 & 3 IS 8-2

0.

CAS:1306-19-0

RTECS #:EV1925000

Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1027
ACGIH TLV:0.05 MG(CD)/M3; 9293

Ingred Name:NICKEL (SARA III).TOTAL % OF 4,5 & 6 IS 15-35%.

CAS:7440-02-0

RTECS #:QR5950000

Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:0.05 MG/M3,INT CHG

Ingred Name:NICKEL HYDROXIDE (SARA III).OSHA PEL FOR INSOL NI
CMPD.ACGIH TLV ON INTENDED CHANGE LIST.TOTAL % OF 4,5 & 6 IS 15-35.

CAS:12054-48-7

RTECS #:QR7040000

Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG NI/M3
ACGIH TLV:0.1 MG NI/M3; 9293
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:NICKEL OXIDE. OSHA PEL FOR INSOL NICKEL CMPD.ACGIH TLV ON
INTENDED CHANGE LIST.TOTAL % OF 4,5 & 6 IS 15-35.

Other REC Limits:NONE RECOMMENDED
OSHA PEL:1.0 MG(NI)/M3
ACGIH TLV:0.05 MG(NI)/M3

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

LD50 LC50 Mixture:NOT KNOWN

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSH

A:NO

Health Hazards Acute and Chronic:INTACT BATTERIES PRESENT NO SPECIFIC HAZARDS.BURNING BATTERIES MAY EMIT TOXIC FUMES.NICKEL MAY CAUSE LOCAL DERMATITIS.

Explanation of Carcinogenicity:CD & CMPD:LTD EVID FOR CARCIN IN HUMANS,SUFF IN ANIMALS (IARC 1987);SUSP HUMAN,KNOWN ANIMAL CARCIN (NTP 1991);(SUP DATA)

Effects of Overexposure:EXPOSURE TO CADMIUM DUST OR FUME MAY CAUSE IRRITATION OF NOSE & THROAT,SWEATING,CHILLS,SHORTNESS OF BREATH,WEAKNESS, NAUSEA,COUGHING,CHEST PAIN

S.

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

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

First Aid:BATTERY CONTENTS IN CONTACT WITH EYES/SKIN: FLUSH WITH WATER FOR 15 MINUTES.SEE PHYSICIAN IF SYMPTOMS DEVELOP. INGESTION:INDUCE VOMITING IF CONSCIOUS.SEE PHYSICIAN. INHALATION:REMOVE FROM EXPOSURE.SEE PHYSICIAN.

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

Flash Point:NOT KNOWN

Lo

wer Limits:NOT KNOWN

Upper Limits:NOT KNOWN

Extinguishing Media:USE WATER,CARBON DIOXIDE OR DRY CHEMICAL.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING IF INVOLVED IN A FIRE.

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

Spill Release Procedures:CONTAIN THE SPILL.COLLECT THE SPILLED MATERIAL AND PLACE IT IN A PLASTIC-LINED CONTAINER.HEPA VACUUMING IS PREFERRED.FLUSH SPILL AREA WITH WATER.

N

neutralizing Agent:NOT KNOWN

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

Handling and Storage Precautions:GENERAL STORAGE PROCEDURES FOR HAZARDOUS MATERIALS ARE ACCEPTABLE.KEEP CONTAINER CLOSED.

Other Precautions:KEEP FOOD AND TOBACCO AWAY FROM WORK AREA.AVOID CONTACT WITH CLOTHING.AVOID GENERATING DUST.

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

Respiratory Protection:WEAR NIOSH/MSHA APPROVED DUST MASKS OR RESPIRATORS.

Ventilation:

LOCAL EXHAUST & MECHANICAL (GENERAL).

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:WEAR COVERALLS.

Work Hygienic Practices:DO NOT WEAR CONTAMINATED CLOTHING HOME.SHOWER AND CHANGE.

Supplemental Safety and Health

EXPLAN OF CARCIN:ACGIH:A2=SUSP HUMAN CARCIN (1992-93);CHEMICALS KNOWN TO CAUSE CANCER (PROP CAL 1987).NI/CMPD:SUFF EVID FOR CARCIN IN HUMANS AND ANIMALS (IARC 1987);SUSPECTED HUMAN,KNOWN ANIMAL CARCINOGEN (NTP

1991);ACGIH:A1=CONFIRMED HUMAN CARCIN (1992-93);CHEMICALS KNOWN TO CAUSE CANCER (PROP CAL 1987).

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

HCC:Z5

Boiling Pt:B.P. Text:NOT KNOWN

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Decomp Temp:Decomp Text:NOT KNOWN

Vapor Pres:NOT KNOWN

Vapor Density:NOT KNOWN

Spec Gravity:1.6 (WATER=1)

Evaporation Rate & Reference:NOT KNOWN

Solubility in Water:NOT KNOWN

Appearance and Odor:NOT KNOWN

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

Stability Indicator/Materials to Avoid:YES
NOT KNOWN

Stability Condition to Avoid:NOT KNOWN

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

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSAL MUST BE IAW FEDERAL,STATE,AND LOCAL REGULATIONS.COORDINATE WITH SUPPORTING INSTALLATION AND/OR MACOM ENVIRONMENTAL OF

FICE PRIOR TO DISPOSAL .IF DISCARDED,TREAT AS
HAZARDOUS WASTE.

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