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SAFT AMERICA INC PORTABLE BATTERY DIVISION -- NICAD AIRCRAFT BATTERY

6140-01-071-8560

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

Product ID:NICAD AIRCRAFT BATTERY

MSDS Date: 10/03/1994

FSC:6140

NIIN:01-071-8560

MSDS Number: BYHJS === 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 N um:912-247-2331

Emergency Phone Num:912-247-2331

CAGE:67237

=== Contractor Identification ===

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

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 ========

Ingred Name: NICKEL OXIDE

 $\mathbf{C}$ 

AS:1313-99-1

RTECS #:QR8400000 Fraction by Wt: 18% %

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1 MG/M3 AS NI ACGIH TLV:1 MG/M3 AS NI

Ingred Name:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58-3

RTECS #:TT2100000 Fraction by Wt: 19% %

Other REC Limits: NONE RECOMMENDED

OSHA PEL:C, 2 MG/M3 ACGIH TLV:C 2 MG/M3; 9192

EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name:CADMIUM OXIDE (SARA III)

CAS:1306-19-0 RTECS #:EV1925000 Fraction by Wt: 13% %

Other REC Limits: NONE RECOMMENDED

OSHA PEL:6B RULE I

N PROCESS

ACGIH TLV:0.05 MG CD/M3

Ingred Name: COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000 Fraction by Wt: 9% %

Other REC Limits:NONE RECOMMENDED OSHA PEL:0.1MG/M3 FUME/1 DUST ACGIH TLV:0.2MG/M3 FUME; 9192

EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name: NYLON II

CAS:25587-80-8

Fraction by Wt: 15% %

Other REC Limits: NONE RECOMMENDED

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

LD50 LC50 Mixture: NOT GIVEN FOR PRODUCT AS A WHOLE

Routes of Entry: Inhalation:YE

S Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:CONTACT WITH ELECTROLYTE SOLUTION CAUSES RAPID, SEVERE DAMAGE TO TISSUE. MAY CAUSE EYE DAMAGE, BLINDNESS, SERIOUS BURNS TO SKIN TISSUES. INGESTION MAY CAUSE TISSUE DAMAGE TO THROAT AND GASTRO/RESPIRAT ORY TRACT, NAUSEA, INTESTIANL DISORDERS.INHALATION MAY CAUSE RESPIRATORY TRACT IRRITATION, HEADACHE, VOMITING, EDEMA.

Explanation of Carcinogenicity:NICKEL AND CA

**DMIUM ARE SUSPECTED** 

CARCINOGENS.

Effects of Overexposure:BURNS TO ANY TISSUE CONTACTED. SEVERE EYE DAMAGE, BLINDNESS, IRRITATION. SKIN BURNS, SKIN SENSATIZATION, ECZEMA, NICKEL ITCH. NAUSEA, INTESTINAL DISORDERS, RESPIRATORY TRACT IRRITATION, DRY THROAT, HE ADACHE, VOMITING, CHEST PAIN, CHILLS, PULMONARY EDEMA, BREATHING DIFFICULTY, PROSTRATION, KIDNEY DAMAGE.

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

	First Aid Measures
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First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INH ALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE WATER OR MILK. DO NOT GIVE ANYTHING IF UNCONSCIOUS. GET MEDICAL ATTENTION.

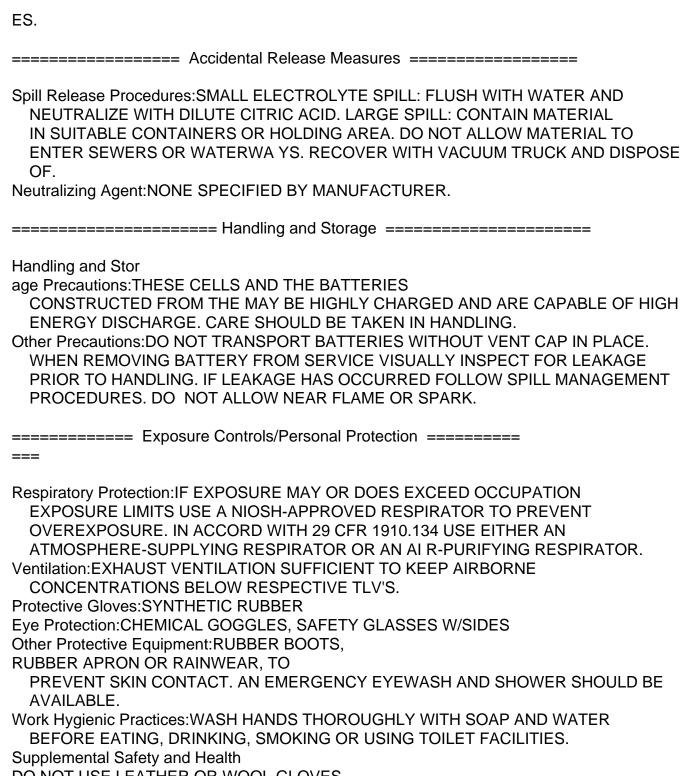
	Fire Fighting Measures	======
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Flash Point:NOT GIVEN Lower Limits:NOT GIVEN Upper Limits:NOT GIVEN

Extinguishing Media: NONE SPECIFIED BY MANUFACTURER.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. DISCONNECT OR CUT ALL CABLES TO AND FROM BATTERY.

Unusual Fire/Explosion Hazard:ELECTROLYTE SOLUTION IS CORROSIVE TO ALL HUMAN TISSUES. IT WILL REACT VIOLENTLY WITH MANY ORGANIC CHEMICALS. CADMIUM FUMES MAY BE RELEASED IN HIGH TEMPERATUR



DO NOT USE LEATHER OR WOOL GLOVES.

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

HCC:B1 Boiling Pt:B.P. Text:NOT GIVEN Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN Vapor Pres:NOT GIVEN Vapor Density:NOT GIVEN

Spec Gravity:1.25-1.30(ELCT)
Evaporation Rate & Description Rate & Reference: NOT GIVEN
Solubility in Water: ELECTROLYTE COMPLETE
Appearance and Odor: NICKEL CADMIUM BATTERY

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

Stability Indicator/Materials to Avoid:YES
SULFURIC ACID, ALUMINUM, ZINC, TIN AND OTHER ACTIVE METALS, ACID,
CHLORINATE AND AROMATIC HYDROCARBONS, NITROCARBONS
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OPEN FLAMES
Hazardous Decomposition Products:NICKEL O
XIDE, CADMIUM, CADMIUM OXIDE,
POTASSIUM HYDROXIDE, HYDROGEN GAS.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. BATTERY MAY BE RETURNED TO SAFT FOR RECYCLING. IT IS TCLP TOXIC.

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