SAFT AMERICA INC, POWER SOURCES DIV -- NICKEL CADMIUM SEALED CELL BATTERY,023394-000,C 8715-3 -- 6140-01-179-4588

Product ID:NICKEL CADMIUM SEALED CELL BATTERY,023394-000,C 8715-3

MSDS Date:10/03/1994

FSC:6140

NIIN:01-179-4588

MSDS Number: CFTGT === Responsible Party ===

Company Name: SAFT AMERICA INC, POWER SOURCES DIV

Address:711 INDUSTRIAL BLVD

Box:1886

City: VALDOSTA

State:GA ZIP:31603 Country:US

Info Phone Num:912-247-2331

Emergency Phone Num:912-247-2331/800-424-9300(CHEMTREC)

CAGE:09052

=== Contractor Identification ===

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: CADMIUM (SARA 313) (CERCLA); TOTAL PERCENTAGE OF

INGREDIENTS 1, 2 AND 3: 17

CAS:7440-43-9

RTECS #:EU9800000 Fraction by Wt: SEE ING

Other REC Limits: NONE RECOMMENDED

OSH

A 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: SEE # 1%

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: SEE # 1%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.2 MG (CD)/M3 DUST ACGIH TLV:0.01 MG(CD)/M3; 9596

Ingred Name: NICKEL (SARA 313) (CERCLA); TOTAL PERC

ENTAGE OF INGREDIENTS

4, 5 AND 6: 19 CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: SEE ING

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: SEE # 4%

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: SEE # 4%

Other REC Limi

ts:NONE RECOMMENDED OSHA PEL:1 MG/M3 AS NI ACGIH TLV:1 MG/M3 AS NI

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)

CAS:1310-58-3

RTECS #:TT2100000 Fraction by Wt: 8%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:C 2 MG/M3

ACGIH TLV:C 2 MG/M3; 9596

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

Ingred Name: COBALT (SARA 313)/COBALT HYDROXIDE

CAS:7440-48-4

RTECS #:GF8750000 Fraction by Wt: 1%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.02 MG/M3; A3; 9596

======= Hazards Iden tification ==========

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT RELEVANT.

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY, GI TRACTS. ACUTE- IN CASE OF FIRE/CELL RUPTURE, ELECTROLYTE CAN CAUSE SEVERE IRRITATION/BURNS TO TISSUE CONTACTED. CAN CAUSE BLINDNESS. NICKEL MAY CAUSE SKIN SEN SITIZATION. INGESTION CAN BE HARMFUL/FATAL. CHRONIC-

CADMIUM MAY CAUSE LUNG/KIDNEY DAMAGE.

NICKEL MAY CAUSE LUNG DAMAGE.

Explanation of Carcinogenicity: CONTAINS CADMIUM [7440-43-9] WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN. ALSO CONTAINS NICKEL

Effects of Overexposure:NONE UNDER NORMAL CONDITIONS OF USE. IF LEAKING OR INCINERATED: SEVERE IRRITATION, BURNS, CHEST PAIN, COUGHING, SWEATING, CHILLS, SHORTNESS OF BREATH, WEAKNESS, BLINDNESS, NICKEL ITCH

Medical Cond Aggravated by Exposure: PERSONS WIT

DISORDERS, EYE PROBLEMS OR IMPAIRED KIDNEY OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.
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First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN:IF CONTACT WITH POTASSIUM HYDROXIDE ELECTROLYTE, IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. MILD ACID (VINEGAR) MAY BE USED TO NEUTRALIZE KOH ON SKIN. INHALED:MOVE TOFRESH AIR. PROV IDE
OXYGEN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNT OF WATER OR MILK.
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Flash Point:NONE Lower Limits:NOT RELEVANT Upper Limits:NOT RELEVANT Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS. Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING
APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED. Unusual Fire/Explosion Hazard:CADMIUM AND NICKEL FUMES ARE TOXIC AND CAN CAUSE DEATH. ===================================
Spill Release Procedures:BATTERY AND CELL CASES WILL NORMALLY CONTAIN MATERIALS OF CONCERN. USE INDUSTRIAL ABSORBENT TO COLLECT LIQUID POTASSIUM HYDROXIDE. WEAR RUBBER GLOVES. NEUTRALIZE WITH CITRIC ACID. Neutralizing Agent:CITRIC ACID
========== Hand ling and Storage ====================================
Handling and Storage Precautions:DO NOT SHORT CIRCUIT. AVOID BREAKING, CRUSHING OR OTHERWISE DESTROYING THE PHYSICAL INTEGRITY OF THE CELL OR BATTERY. Other Precautions:DO NOT INCINERATE. DO NOT TOUCH BROKEN OR LEAKING BATTERIES. WASH THOROUGHLY AFTER HANDLING. AVOID BREATHING FUMES. KEEP OUT OF REACH OF SMALL CHILDREN. NO SMOKING DURING BATTERY CHARGING. ALWAYS USE EXTREME CARE. AVOID OPEN FLAME.

H PRE-EXISTING SKIN

====== Exposure Controls/Pe

rsonal Protection	

Respiratory Protection:IF INCINERATED, USE NIOSH-APPROVED

SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR RESPIRATOR WITH FULL FACEPIECE, OPERATED IN POSITIVE PRESSURE MODE.

Ventilation: USE ADEQUATE LOCAL EXHAUST VENTILATION WHEN FUMES PRESENT.

Protective Gloves: NEOPRENE, NITRILE FOR LEAKERS

Eye Protection: CHEMICAL SPLASH GOGGLES FOR LEAKERS

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Prac

tices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND

RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

THE MANUFACTURER STATES EACH SEALED NICKEL CADMIUM BATTERY IS NOT HAZARDOUS AND IS NOT REGULATED.

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

HCC:Z5

NRC/State Lic Num: NOT RELEVANT

Spec Gravity:1.17-1.25 ELECT Viscosity:NOT RELEVANT

Evaporation Rate & Evaporation Relevant

Solubility in Water: NOT REL

EVANT

Appearance and Odor:BATTERY - NO ODOR

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

Stability Indicator/Materials to Avoid:YES

ACIDS, ACTIVE METALS SUCH AS ZINC, ALUMINUM, TIN, CHLORINATED AND AROMATIC HYDROCARBONS, NITROCARBONS, HALOCARBONS

Stability Condition to Avoid: EXCESSIVE HEAT, FIRE

Hazardous Decomposition Products:TOXIC FUMES OF CADMIUM OXIDE, NICKEL OXIDE, CADMIUM, POTASSIUM HYDROXIDE

Waste Disposal Methods:CELLS AND BATTERIES MAY BE RETURNED TO SAFT FOR RECYCLING OR AT SENDERS EXPENSE TO A PERMITTED TREATMENT, STORAGE, DISPOSAL FACILITY (TSDF). DISPOSAL MUST BE MADE IN ACCORDANCE WITH ALL APPLICABLE FED ERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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