SAFT AMERICA INC PORTABLE BATTERY DIVISION -- NICKEL CADMIUM SEALED CELL BATTERY, MIS-19646 -- 6140-01-065-7880

Product ID:NICKEL CADMIUM SEALED CELL BATTERY, MIS-19646

MSDS Date:10/01/1994

FSC:6140

NIIN:01-065-7880

MSDS Number: BXXYK === Responsible Party ===

Company Name: SAFT AMERICA INC PORTABLE BATTERY DIVISION

Address:711 INDUSTRIAL BLVD

City: VALDOSTA

State:GA ZIP:31601 Country:US

Info Phone Num:912-247-2331

Emergency Phon

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

CAGE:67237

=== Contractor Identification ===
Company Name:CAL-POWER CORP
Address:363 VAN NESS WAY NO 401

Box:City:TORRANCE

State:CA ZIP:90501 Country:US

Phone:213-533-1928

CAGE:94660

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

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

Ingred Name: CADMIUM (SARA 313) (CERCL

A); 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

OSHA PEL:0.2 MG/M3 DUST; Z-2 ACGIH TLV:0.01 MG/M3 DUST;9495

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; 9495

Ingred Name: NICKEL (SARA 313) (CERCLA); TOTAL PERCENTAGE 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; 9495

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 M

G(NI)/M3; 9495 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 Limits: 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; 9495

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; 9495

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

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

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

Explanation of Carcinogenicity: CONTAINS C [7440-43-9] WHICH IS

LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexpo

sure: NONE UNDER NORMAL CONDITIONS OF USE. IF LEAKING

OR INCINERATED: IRRITATION, EYES AND/OR SKIN BURNS, CHEST PAIN, COUGHING, SWEATING, CHILLS, SHORTNESS OF BREATH, WEAKNESS Medical Cond Aggravated by Exposure:NONE IN NORMAL CONDITION OF USE.

First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN:IF CONTACT WITH ELECTROLYTE, IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. REMOVE CONTAM

INATED CLOTHING. INHALED: REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DILUTE BY DRINKING SEVERAL GLASSES OF MILK OR WATER. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Flash Point:NONE Extinguishing Media: USE CARBON DIOXIDE, SAND. USE WATER SPRAY TO KEEP BATTERIES COOL. Fire Fighting Procedures: WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CON TAINED BREATHING APPARATUS. Unusual Fire/Explosion Hazard: CADMIUM AND NICKEL FUMES ARE TOXIC AND CAN CAUSE DEATH. IN CONFINED AREA, HYDROGEN GAS GENERATED BY OVERCHARGING MAY CAUSE EXPLOSION. ========= Accidental Release Measures =============== Spill Release Procedures: BATTERY AND CELL CASES WILL NORMALLY CONTAIN MATERIALS OF CONCERN. USE INDUSTRIAL ABSORBENT TO COLLECT LIQUID POTASSIUM HYDROXIDE. Neutralizing Agent:NOT RELEVANT ====== Handling a nd Storage ========= Handling and Storage Precautions: DO NOT SHORT CIRCUIT; MAY CAUSE PERSONAL INJURY & FIRE. 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. ====== Exposure Controls/Personal Protection ======== Respiratory Protection: USE NIOSH APPROVED RESPIRATOR IF CELL BROKEN OR

USE NIOSH APPROVED RESPIRATOR IF CELL BROKEN OF DURING A FIRE.

Ventilation: USE ADEQUATE LOCAL EXHAUST VENTILATION WHEN HANDLING THE LIQUID IN THE BATTERY OR FUMES PRESENT.

Protective Gloves: NEOPRENE, NITRILE FOR LEAKERS

Eye Protection: SAFETY GOGGLES FOR LEAKERS

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

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING. Supple

mental Safety and Health
========= Physical/Chemical Properties =========
HCC:Z5 NRC/State Lic Num:NOT RELEVANT Spec Gravity:NOT RELEVANT Viscosity:NOT RELEVANT Evaporation Rate & Description Reference:NOT RELEVANT Solubility in Water:NOT RELEVANT Appearance and Odor:SEALED NICKEL CADMIUM BATTERY - NO ODOR
========= Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES ALUMINUM, ZINC, TIN AND OTHER ACTIVE METALS, ACIDS, CHLORINATED A ND
AROMATIC HYDROCARBONS, NITROCARBONS, HALOCARBONS Stability Condition to Avoid:EXCESSIVE HEAT, FIRE Hazardous Decomposition Products:TOXIC FUMES OF CADMIUM, CADMIUM OXIDE, NICKEL OXIDE, POTASSIUM HYDROXIDE MAY BE FORMED.
======= Disposal Considerations ==========
Waste Disposal Methods:CELLS AND BATTERIES MAY BE RETURNED AT SENDERS EXPENSE TO A PERMITTED TREATMENT, STORAGE, DISPOSAL FACILITY (TSDF). IF NOT RECYCLED, DISPOSAL MUST BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, ST ATE AND LOCAL LAWS AND REGULATIONS.
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