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Product ID:NICKEL CADMIUM BATTERY MSDS Date:11/20/1986 FSC:6140 NIIN:01-142-1903 MSDS Number: BTRKT === 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 Preparer's Name:BETH SNYDER CAGE:67237 === Contractor Identification === Company Name: AVEX ELECTRONICS CORP Address:1683 WINCHESTER ROAD Box:1026 City:BENSALEM State:PA ZIP:19020-4510 Country:US Phone:215-638-1515 CAGE:58414 Company Name: FLUKE, JOHN MFG CO INC Address:6920 SEAWAY BLVD Box:9090 City:EVERETT State:WA ZIP:98206-9090 Country:US Phone:206-347-6100 CAGE:89536 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

Ingred Name:CADMIUM AND CADMIUM HYDROXIDE (SARA III) Fraction by Wt: 13-16% Other REC Limits:NONE RECOMMENDED OSHA PEL:0.05 MG/M3 DUST&FUME ACGIH TLV:0.05 MG(CD)/M3 9192

Ingred Name:NICKEL AND NICKEL HYDROXIDE Fraction by Wt: 20-30% Other REC Limits:NONE RECOMMENDED OSHA PEL:1.0 MG/M3 ACGIH TLV:1.0 MG/M3

Ingred Name:POTASSIUM HYDROXIDE OR SODIUM HYDROXIDE Fraction by Wt: 2-4% Other REC Limits:NONE RECOMMENDED

Ingred Name:COBALT HYDROXIDE CAS:21041-93-0 Fraction by Wt: 0.5-1% Other REC Limits:NONE RECOMMENDED

LD50 LC50 Mixture:SEE INGREDIENTS. Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES Health Hazards Acute and Chronic:POTASSIUM HYDROXIDE AND SODIUM HYDROXIDE BURN TO TISSUE CONTACTED. NI

 CKEL POSSIBLE CONTACT DERMATITIS. CADMIUM POSSIBLE LUNG OR KIDNEY DAMAGE. NICKEL POSSIBLE LUNG DAMAGE. Explanation of Carcinogenicity:CONTAINS CADMIUN AND NICKEL WHICH ARE CARCINOGENIC. Effects of Overexposure:TISSUE BURNS, CONTACT DERMATITIS, LUNG OR KIDNEY DAMAGE.
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First Aid:WASH THOROUGHLY WITH LARGE VOLUMES OF WATER IF ELECTROLYTE IS SPILLED. INHAL:REMOVE TO FRESH AIR. CONTACT PHYSICIAN. EYE:FLUSH W
/WATER FOR 15MINS. CONTACT PHSYCIAN. SKIN:WASH W/LG VOLUME OF WATER. MIL D ACID MAY BE USED TO NEUTRALIZE. CONTACT PHYSICIAN IMMED.
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Extinguishing Media:SUITABLE FOR SURROUNDING MATERIALS. Fire Fighting Procedures:IF INCINERATED USE NIOSH/MSHA APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS. Unusual Fire/Explosion Hazard:TOXIC CADMIUM OXIDE FUMES MAY BE RELEASED DURING BURNING.
Accidental Release Measures ====================================
Spill Release Procedures: FLUSH ELECTROLYTE SPILLS WITH WATER. Neutralizing Agent: MILD AICD TO NEUTRALIZE ELECTROLYTE.
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Handling and Storage Precautions:DO NOT BREAK OPEN BATTERY CELL. Other Precautions:DO NOT INCINERATE OR MUTILATE. DO NOT SHORT CIRCUIT; IT MAY CAUSE BURNS.
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Respiratory Protection:NISH/MSH

A APPROVED SELF-CONTAINED BREATHING APPARATUS IF BURNED. Protective Gloves:NEOPRENE, PVC IF CELL BROKEN OPEN. Eye Protection:CHEMICAL GOGGLES IF CELL BROKEN OPEN. Other Protective Equipment:NONE STATED. Work Hygienic Practices:NONE STATED. Supplemental Safety and Health

HCC:N1

Appearance and Odor:SEALED CYLIN CONTIANER ENCLOSING CD, NI ELECTRODE & KOH OR NAOH ELECTROLYTE.

Stability Indicator/Materials to Avoid:YES Hazardous Decomposition Products:TOXIC FUMES MAY BE RELEASED IF INCINERATED.

Waste Disposal Methods:DIPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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