SAFT AMERICA INC, POWER SOURCES DIV -- LITHIUM THIONYL CHLORIDE BATTERY -- 6135-01-196-2135

Product Identification

Product ID:LITHIUM THIONYL CHLORIDE BATTERY
MSDS Date:03/01/1994
FSC:6135
NIIN:01-196-2135
MSDS Number: CGLFP

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
CAGE:09052

Contractor Identification

Company Name:BATTERY ASSEMBLERS INC
Address:211-4 KNICKERBOCKER AVE
Box:City:BOHEMIA
State:NY
ZIP:11716
Country:US
Phone:407-323-3390/EM:516-567-8855/8278
CAGE:0BOY5
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

Ingredient:THIONYL CHLORIDE
CAS:7719-09-7
RTECS #:XM5150000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 1 PPM
ACGIH TLV:C 1 PPM; 9596

Ingredient:LITHIUM METAL
CAS:7439-93-2
RTECS #:OJ5540000
Other REC Limits:NONE RECOMMENDED

Hazards Identification

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY & GI TRACTS. ACUTE- BATTERY IS HERMETICALLY SEALED. IF BROKEN OR IN FIRE: INHALATION OF VAPORS MAY CAUSE EYE & RESPIRATORY TRACT IRRITATION. INGESTION CAN BE HARMFUL. CAN HAVE CORROSIVE EFFECTS ON SKIN. CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IF BROKEN OR IN FIRE: IRRITATION, DRY THROAT,
COUCHING, BURNS, PAIN
Medical Cond Aggravated by Exposure: IF BROKEN, LEAKING OR IN FIRE:
ASTHMA AND OTHER RESPIRATORY DISEASES

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

First Aid: GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED: REMOVE TO FRESH
AIR. CALL PHYSICIAN. EYES: FLUSH WITH WATER FOR 15 MINUTES. HOLD
EYELIDS OPEN. SEEK PHYSICIAN. SKIN: WASH WITH SOAP & WATER. ORAL: IF
BATTERY/OPEN BATTERY IS INGESTED, DO NOT INDUCE VOMITING OR GIVE
FOOD/DRINK. SEEK IMMEDIATE MEDICAL ATTENTION. CALL NATIONAL BATTERY
INGESTION HOTLINE FOR ADVICE & FOLLOWUP (202-625-3333), DAY/NIGHT.

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

Flash Point: NONE
Lower Limits: NOT RELEVANT
Upper Limits: NOT RELEVANT
Extinguishing Media: FOR BURNING LITHIUM THIONYL CHLORIDE BATTERIES USE
WATER OR CARBON DIOXIDE. USE CLASS D EXTINGUISHERS FOR RAW LITHIUM.
Fire Fighting Procedures: WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION
PRODUCTS MAY BE FORMED.
Unusual Fire/Explosion Hazard: HAZARDOUS DECOMPOSITION PRODUCTS MAY BE
FORMED.

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

Spill Release Procedures: IF BROKEN, WEAR PROTECTIVE CLOTHING AND
RESPIRATORY EQUIPMENT SUITABLE FOR TOXIC GASES. COVER WITH SODIUM
CARBONATE. S WEEP, SCOOP OR PICK UP SPILLED MATERIAL. TRANSFER TO A
SUITE CONTAINER FOR DSP OSAL.
Neutralizing Agent: SODIUM CARBONATE

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

Handling and Storage Precautions: STORE IN DRY, COOL (BELOW 50C/122F)
PLACE, AWAY FROM INCOMPATIBLES.
Other Precautions: DO NOT INCINERATE. DO NOT TOUCH BROKEN OR LEAKING
BATTERIES. AVOID MECHANICAL OR ELECTRICAL ABUSE. DO NOT ATTEMPT TO
RECHARGE. AVOID SHORT CIRCUITS. DO NOT CARRY BATTERIES LOOSE IN
POCKET OR BAG. KEEP BATTERIES AWAY FROM SMALL CHILDREN.

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

Respiratory Protection: NOT NECESSARY UNDER NORMAL CONDITIONS OF USE.
WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN LARGE
NUMBERS OF CELLS ARE INVOLVED IN A FIRE.
Ventilation: ADEQUATE
Protective Gloves: RUBBER FOR LEAKERS
Eye Protection: GOGGLES FOR LEAKERS
Other Protective Equipment: EYE BATH, WASHING FACILITIES
Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING,
DRINKING/SMOKING.
Supplemental Safety and Health
NONE

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

HGC: 26
NRC/State Lic Num: NOT RELEVANT
Melt/Freeze Pt.: = 190. C, 374. F
Decomp Temp.: = 140. C, 284. F
Spec Gravity: > 1
Viscosity: NOT RELEVANT
Evaporation Rate & Reference: NOT RELEVANT
Solubility in Water: INSOLUBLE
Appearance and Odor: BATTERY - ODORLESS

--------------------- Stability and Reactivity Data ---------------------

Stability Indicator/Materials to Avoid: YES
WATER, ALKALIS
Stability Condition to Avoid: FIRE, HEAT ABOVE 140°C/284°F, MOISTURE,
RECHARGING, SHORT CIRCUITING
Hazardous Decomposition Products: RUPTURED BATTERIES MAY RELEASE SULFUR
DIOXIDE, HYDROGEN, HYDROGEN CHLORIDE, CHLORINE, SULFUR DICHLORIDE,
SULFUR CHLORIDE

--------------------- Disposal Considerations ---------------------

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. PRODUCT DECOMPOSED BY WATER MUST BE
NEUTRALIZED.

--------------------- MSDS Transport Information ---------------------

Transport Information: EACH BATTERY CONTAINS 1.65 GRAMS OF LITHIUM.
THEFORE, THESE BATTERIES ARE NOT REGULATED FOR TRANSPORTATION, AS
PER 49 CFR 173.185 (C), IATA PROV A45, IMDG PAGE 9033A AND AFJM
A13.8.5. MFR’S P/N=LSH 14; DISTRIBUTOR’S P/N=BAI-514L.

--------------------- Other Information ---------------------

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