

SAFT AMERICA INC POWER SOURCES DIV -- LITHIUM BATTERY -- 6135-01-301-8776

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

Product ID:LITHIUM BATTERY

MSDS Date:09/01/1990

FSC:6135

NIIN:01-301-8776

MSDS Number: BSDGT

=== 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:SAFT AMERICA INC, ADVANCED BATTERY SYSTEMS DIV

Address:107 BEAVER COURT

Box:City:COCKEYSVILLE

State:MD

ZIP:21030-2106

Country:US

Phone:912-247-2331/800-328-6807

CAGE:31586

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:THIONYL CHLORIDE

CAS:7719-0

9-7
RTECS #:XM5150000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 1 PPM
ACGIH TLV:C 1 PPM; 9293

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

LD50 LC50 Mixture:ACGIH TLV=1PPM
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SKIN:VAPORS ARE CORROSIVE.INHAL:VAPORS
ARE CORROSIVE TO MUCUOUS MEMBRANES.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
C
ONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:INHAL:BURNS AND IRRITATION TO THE RESPIRATORY
SYSTEM.
Medical Cond Aggravated by Exposure:NOT REPORTED.

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

First Aid:EYES:FLUSH WITH WATER FOR 15 MINUTES.SKIN: WASH WITH
WATER.REMOVE CONTAMINATED CLOTHING.INHAL:REMOVE FROM EXPOSURE.
RESTORE OR ASSIST BREATHING.CALL PHYSICIAN.INGEST:NOT REPORTED.

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

Extinguishing Media:HMIS SUGGESTS SAND,DRY CHEMICAL,FOAM.
Fire Fighting Procedures:NO RESTIRCTIONS IN FIRE SITUATIONS.COOL
UNDAMAGED CONTAINERS WITH WATER.HMIS SUGGEST USE OF A
SELF-CONTAINED BRAETHING APPARATUS.
Unusual Fire/Explosion Hazard:FIRE AND HEAT RESULTS IN GENERATION OF
CHLORINE,SULFUR DIOXIDE,DISULFUR DICHLORIDE.

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

Spill Release Procedures:INSURE PROP

ER VENTILATION.COVER WITH SODIUM

CARBONATE OR SODA ASH:SLAKED LIME(1:1).PRECIPITATE THE EVOLVED VAPORS WITH WATER SPRAY.PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.

Neutralizing Agent:SODIUM CARBONATE.SODA ASH:SLAKED LIME(1:1).

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

Handling and Storage Precautions:KEEP CONTAINER DRY AND TIGHTLY CLOSED IN A COOL(122F,50C-MAX),WELL VENTILATED PLACE.KEEP FOOD AWAY FROM THIS ITEM.KEEP ONLY IN ORIGINAL CONTAINER.

Other Precautions:IF CONTAMINATION WITH MOISTURE OCCURS,PRESSURE MAY BUILD UP CAUSING THE DRUM TO RUPTURE.

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

Respiratory Protection:MANUFACTURER RECOMMENDS AN ABEK TYPE FILTER.

Ventilation:NOT REPORTED.

Protective Gloves:BAYPREN OR VITON.

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment:PROTECTIVE WORKBOOTS AND RUBBER APRON.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHING FROM STREET

CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF WORK AREA.

Supplemental Safety and Health

THIS MSDS IS FOR A LITHIUM BATTERY(AN ARTICLE ACCORDING TO THE MANUFACTURER) WHICH GOES INTO A ZENITH COMPUTER. THIS MSDS IS FOR THIONYL CHLORIDE.OPEN CONTAINER WITH CARE-ENSURE THAT THERE IS PROPER V ENTILATION.

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

HCC:Z6

Boiling Pt:=75.6C, 168.F

Melt/Freeze Pt:=-104.4C, -156.F

Vapor Pres:116MM

Spec Gravity:1.64

Solubility in Water:REACTIVE (SOCL₂)

Appearance and Odor:LIQUID;COLORLESS TO YELLOW;PUNGENT ODOR.

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

Stability Indicator/Materials to Avoid:YES

WATER(MOISTURE),ALKAKI.

Stability Condition to Avoid:THERE IS THERMAL DECOMPOSITION AT TEMPERATURES ABOVE 284F (140C).AVOID AIR MOISTURE AND WATER.

Hazardous Decomposition Products:HYDROGEN GAS,SULFUR DIOXIDE,CHLORINE GAS, SCL₂,S₂CL₂.

===== Disposal Consideration

S =====

Waste Disposal Methods:PRODUCT DECOMPOSED BY WATER MUST BE NEUTRALIZED.
MAY BE DISPOSED OF WITH WASTE WATER WHEN HIGHLY DILUTED.CONSULT
FEDERAL, STATE AND LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all

liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.