

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.

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===== 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 (SOCL<sub>2</sub>)

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, SCL<sub>2</sub>,S<sub>2</sub>CL<sub>2</sub>.

===== Disposal Consideration

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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.

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