

SAFT AMERICA INC POWER SOURCES DIV -- LITHIUM BATTERY (P/N LS622) -- 6135-01-277-0599

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Product Identification  
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Product ID:LITHIUM BATTERY (P/N LS622)

MSDS Date:09/01/1990

FSC:6135

NIIN:01-277-0599

MSDS Number: BPGJP

=== 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:9

12-247-2331 OR 800-328-6807

Emergency Phone Num:912-247-2331 OR 800-328-6807

CAGE:09052

=== Contractor Identification ===

Company Name:DELTA CONCEPTS, INC

Address:100 BROADHOLLOW RD, SUITE 308-9

Box:City:FARMINGDALE

State:NY

ZIP:11735

Country:US

CAGE:0CLE1

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

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Composition/Information on Ingredients  
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Ingred Name:THIONYL CHLORIDE

C

AS:7719-09-7  
RTECS #:XM5150000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:C 1 PPM  
ACGIH TLV:C 1 PPM; 9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:CORROSIVE LIQUID, THE SUBSTANCE AND  
VAPORS HAVE A CORROSIVE EFFECT ON THE SKIN AND MUCOUS MEMBRANES.  
HARMFUL IF INHALED OR SWALLOWED.  
Explanation of Carcinogenicity:NONE OF THE  
CHEMICALS IN THIS PRODUCT IS  
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:SEVERE IRRITATION AND BURNS OF EYES, SKIN AND  
RESPIRATORY SYSTEM.  
Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:INHALATION:REMOVE TO FRESH AIR, PROVIDE CPR/OXYGEN IF NEEDED.  
SKIN CONTACT-REMOVE METAL AND WASH WITH WATER TO AVOID CAUSTIC  
BURN. FOLLOW WITH A NEUTRALIZING SOLUTION. EYE CONTACT-FLUSH 15  
MINUTES WITH WATER. SEEK MEDICAL ATTENTION. INGESTION:GET  
IMMEDIATE MEDICAL HELP.

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

Extinguishing Media:LIT-X-EXTINGUISHER.  
Fire Fighting Procedures:NO WATER ALLOWED (APPLICABLE FOR WAREHOUSE).  
USE ONLY MANUFACTURER'S RECOMMENDED PROCEDURES.  
Unusual Fire/Explosion Hazard:GENERATION OF TOXIC VAPORS OF  
CHLORINE, SULFUR DIOXIDE, DISULFUR DICHLORIDE DURING THERMAL  
DECOMPOSITION.

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

Spill Release Procedures:GET FULL PROTECTIVE EQUIPMENT. COVER WITH  
SODIUM CARBONATE OR 1:1 MIXTURE OF SODA ASH AND SLAKED LIME.  
PRECIPITATE GASES BY SPRAYING WATER. VENTILATE THE CONTAMINATED  
AREA.  
Neutralizing Agent:SODIUM CARBONATE OR 1:1 MIXTURE OF SODA ASH AND  
SLAKED LIME.

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

Handling and Storage Precautions:STORE IN ISOLATED AREA FREE FROM  
SOURCES OF WATER, INCLUDING S

PRINKLER SYSTEMS. AVOID ELEVATED TEMPERATURES. POSTS BUCKETS OF LITH-X EXTINGUISHERS.  
Other Precautions:STORAGE AREA SHOULD NOT BE SUBJECT TO SOURCES OF OPEN FLAME OR SPARK-GENERATING EQUIPMENT.

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

Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS OR A REPIRATOR WITH TYPE ABEK FILTER IF TLV IS EXCEEDED.

Ventilation:GENERAL

Protective Gloves:BAYPREN OR VITRON

Eye Protection:SAFETY GLASSES WIT H SIDE SHIELDS.

Other Protective Equipment:WORKING BOOTS AND RUBBER APRON.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING.

Supplemental Safety and Health

THIS PART DESCRIBES THE HAZARDS OF THIONYL CHLORIDE WHICH IS ONE OF THE INGREDIENTS USED IN A LITHIUM BATTERY. FOR HAZARDS OF LITHIUM SEE PART A, SAME NSN.

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

HCC:F8

Spec Gravity:1.64

Solubility in Water:REACTS VIOLENTLY

Appeara

nce and Odor:COLORLESS TO YELLOW LIQUID, PUNGENT SMELL.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

WATER AND ALKALIS.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:TOXIC CHLORINE, SULFUR DIOXIDE, DISULFUR DICHLORIDE.

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===== Disposal Considerations =====

Waste Disposal Methods:PRODUCT DEC

COMPOSED BY WATER MUST BE NEUTRALIZED,  
THEN MAY BE ADDED TO WASTE WATER IN SUFFICIENTLY DILUTED FORM. OR  
USE PROFESSIONAL BATTERY DISPOSAL SERVICE. DISPOSAL SERVICES BY  
B.D.T. (716) 634-6794 .

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