

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: BPGJN

=== 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 OR 800-328-6807

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

Preparer's Name:AK

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:L

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

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:LITHIUM REACTS WITH BODY MOISTURE TO
FORM LITHIUM HYDROXIDE CAUSING A BURNING SENSATION. FINE DUSTS, IF
THEY ENTER A PERSON'S LUNGS WILL HYDROLYSE TO FORM LITHIUM
HYDROXYDE, WITH LOCALIZED TISSUE DAM
AGE.
Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.
Effects of Overexposure:BURNING SENSATION, COUGHING.
Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid: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.

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

Flash Point:NO FLASH POINT
Extinguishing Media:LITH-X IS RECOMMENDED FOR LITHIUM FIRES. DO NOT USE
WATER OR CARBON DIOXIDE EXTINGUISHERS.
Fire Fighting Procedures:DO NOT USE WATER OR CARBON DIOXIDE
EXTINGUISHERS. SELF CONTAINED BREATHING APPARATUS AND FIRE FIGHTING
ENTRY SUITS ARE REQUIRED.
Unusual Fire/Explosion Hazard:SOLID LITHIUM IN WATER WILL LIBERATE
HYDROGEN & UNDER CERTAIN CONDITIONS WILL EXPLODE. THE RATE OF
REACTION INCREASES WITH THE SURFACE AREA.

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

Spill Release Procedures:RETURN METAL TO A SEALED CONTAINER. IF METAL
BEGINS TO REACT WITH THE MOISTURE IN THE AIR, REMOVE TO AN ISOLATED
AREA AND ALLOW TO BURN. IF METAL CANNOT BE REMOVED, TRY TO WET WITH
MINERAL OIL.

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

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

INCLUDING SPRINKLER SYSTEMS. AVOID ELEVATED TEMPERATURES. BUCKETS OF LITH-X EXTINGUISHERS AVAILABLE
Other Precautions:STORAGE AREA SHOULD NOT BE SUBJECT YO SOURCES OF OPEN FLAME OR SPARK-GENERATING EQUIPMENT.

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

Ventilation:NONE SPECIFIED BY MANUFACTURER.
Protective Gloves:WEAR SURGICAL GLOVES FOR HANDLING.
Eye Protection:SAFETY GLASSES/SIDE SHIELDS.
Other Protective Equipment:SURGICAL NOSE AND MOUTH MASKS.
Work Hygienic
Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING.
Supplemental Safety and Health
FOR HAZARDS OF THIONYL CHLORIDE SEE PART B, SAME NSN. THIONYL CHLORIDE IS ALSO ONE THE INGREDIENTS OF A LITHIUM BATTERY.

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

HCC:F8
Boiling Pt:B.P. Text:2403F,1317C
Melt/Freeze Pt:M.P/F.P Text:357F,181C
Vapor Pres:NIL
Spec Gravity:0.534
Solubility in Water:REACTS WITH WATER
Appearance and Odor:LIGHT SILVERY METAL.

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

Stability Indicator/Materials to Avoid:YES
WATER, CARBON DIOXIDE, ALCOHOLS.
Stability Condition to Avoid:EXPOSURE TO MOISTURE, WATER AND TEMPERATURES ABOVE MELTING POINT.
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:SUBMERSION IN WATER OR LITHIUM HYDROXYDE SOLUTION, STEAM HYDROLYSIS OR BURNING ARE THE CONVRNTIONAL

METHODS.

ONLY SMALL QUANTITIES OF LITHIUM SHOULD BE DISPOSED OF AT ONE TIME.
FOLLOW LOCAL RULES AND REGULATIONS.

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