

SAFT AMERICA INC. -- LITHIUM BATTERY -- 6135-01-277-0599

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Product Identification
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Product ID:LITHIUM BATTERY

MSDS Date:09/01/1990

FSC:6135

NIIN:01-277-0599

MSDS Number: BLLYG

=== Responsible Party ===

Company Name:SAFT AMERICA INC.

Address:711 INDUSTRIAL BLVD.

City:VALDOSTA

State:GA

ZIP:31601

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:31586

=== 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, 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

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Composition/Information on Ingredients
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Ingred Name:LITHIUM METAL

CAS:7439-9

3-2
RTECS #:OJ5540000
Other REC Limits:NONE SPECIFIED

===== 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 DAMA GE.
Explanation of Ca
rcinogenicity: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 SPECIFIED BY MANUFACTURER.

===== 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.

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

Flash Point:NO FLASH POINT
Extinguishing Media:LITH-X IS RECOMMENDED FOR LITHIUM FIRES.
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.

===== 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.

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

Handling and Storage Precautions:STORE IN ISOLATED AREA FREE FROM SOURCES OF WATER, INCLUDING SPRINKLER SYSTEMS. AVOID ELEVATED TEMPERAT

URES. POSTS BUCKETS OF LITH-X EXTINGUISHERS.

Other Precautions:STORAGE AREA SHOULD NOT BE SUBJECT YO SOURCES OF OPEN FLAME OR SPARK-GENERATING EQUIPMENT.

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

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:WEAR SUTGICAL 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 EAT
ING OR DRINKING.

Supplemental Safety and Health

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

HCC:Z6

Boiling Pt:B.P. Text:2403F,1317C

Melt/Freeze Pt:M.P/F.P Text:180.5

Vapor Pres:NIL

Spec Gravity:0.534

Solubility in Water:REACTS WITH WATER

Appearance and Odor:LIGHT SILVERY METAL.

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

Stability Indicator/Materials to Avoid:YES

WATER, CARBON DIOXIDE, ALCOHOLS.

Stability Condition to Avoid:EXPOSURE TO MOISTUR

E, WATER AND

TEMPERATURES ABOVE MELTING POINT.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:SUBMERSION IN WATER OR LITHIUM HYDROXYDE

SOLUTION, STEAM HYDROLYSIS OR BURNING ARE THE CONVRNTIONAL METHODS.

ONLT SMALL QUANTITIES OF LITHIUM SHOULD BE DISPOSED OF AT ONE TIME.

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