

SAFT AMERICA INC, ADVANCED BATTERY SYSTEMS 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: BJPWD

=== Responsible Party ===

Company Name:SAFT AMERICA INC, ADVANCED BATTERY SYSTEMS DIV

Address:107 BEAVER COURT

City:COCKEYSVILLE

State:MD

ZIP:21030-2106

Country:US

Info Phone Num:912-24

7-2331/800-328-6807

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

Preparer's Name:AK

CAGE:31586

=== Contractor Identification ===

Company Name:ADVANCED INDUSTRIES INC

Address:415 NORTHCUTT STREET

Box:5666

City:LONGVIEW

State:TX

ZIP:75608

Country:US

Phone:214-236-4101

CAGE:0GA21

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

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State:MD
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CAGE:31586

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Composition/Information on Ingredients
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Ingred Name:LITHIUM METAL, 0.9 GRAM PER BATTERY CELL.
CAS:7439-93-2
RTECS #:OJ5540000
Other REC Limits:NONE SPECIFIED

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chroni
c:THE SUBSTANCE AND VAPORS ARE CORROSIVE
TO SKIN AND MUCUS MEMBRANES.
Effects of Overexposure:BURNS AND IRRITATION TO THE RESPIRATORY SYSTEM.
Medical Cond Aggravated by Exposure:NOT KNOWN

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First Aid Measures
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First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE
CPR/OXYGEN. GET MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH EYES WITH
PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: WASH
SKIN WITH PLENTY OF SOAP
& WATER. INGESTION: GET IMMEDIATE MEDICAL
ATTENTION.

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Fire Fighting Measures
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Extinguishing Media:LITHIUM-X FOR LITHIUM FIRE, AND FOR SURROUNDING
FIRE USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:FLAMMABLE SOLID.

FIRE OR EXCESSIVE HEAT
MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS AND/OR MAY
CAUSE EXPLOSION.

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

Spill Release Procedures: PICK UP ALL BATTERIES. FOR RUPTURED BATTERIES:
COVER WITH SODIUM CARBONATE, PRECIPITATE GASES/VAPORS WITH WATER
SPRAY. VENTILATE THE AREA.

Neutralizing Agent: SODIUM CARBONATE, OR 1:1 MIXTURE OF SODA ASH &
SLAKED LIME.

===== Handling and Storage =====
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Handling and Storage Precautions: STORE IN A COOL, DRY, WELL VENTILATED
AREA AWAY FROM HEAT.

Other Precautions: KEEP BATTERIES AWAY FROM WATER AND HEAT. DO NOT
RUPTURE OR THROW BATTERIES IN FIRE. DO NOT RECHARGE BATTERIES.

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

Respiratory Protection: NORMALLY NOT REQUIRED. WEAR MASK WITH ABEK TYPE
FILTER WHEN HANDLING DUST FROM RUPTURED BATTERY.

Ventilation: GENERAL/LOCAL EXHAUST VENTILATION.

Protective Gloves:

BAYPREN OR VITON

Eye Protection: SAFETY GLASSES

Other Protective Equipment: BOOTS AND RUBBER APRON

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

PER MANUFACTURER EACH BATTERY CONTAINS 0.9 GRAM OF LITHIUM. WHEN
HANDLING RUPTURED BATTERY DO NOT GET ON SKIN, IN EYES OR ON
CLOTHING. DO NOT BREATHE VAPORS. KEEP AWAY FROM WATER & HEAT.

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

HCC: Z6

Boi

ling Pt:B.P. Text:2403F,1317C
Melt/Freeze Pt:M.P/F.P Text:357F,181C
Spec Gravity:0.534
Solubility in Water:REACTS VIOLENTLY
Appearance and Odor:LIGHT SILVERY METAL
Percent Volatiles by Volume:NO

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

Stability Indicator/Materials to Avoid:YES
WATER, ALKALIS, MOISTURE.
Stability Condition to Avoid:HIGH TEMPERATURES.,THERMAL DECOMPOSITION
BEGINS AT 140C.
Hazardous Decomposition Products:HYDROGEN, CHLORINE, OXIDES AND HALIDES
OF SULFUR. THERMAL DECOMPOSITION BEGINS AT 140C.

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

Waste Disposal Methods:DO NOT INCINERATE, BURY IN LANDFILL IN
ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATION.

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