

SAFT AMERICA INC ADVANCED BATTERY SYSTEMS DIVISION -- BA5588 LITHIUM/SULFUR DIOXIDE BATTERY -- 6135-01-088-2708

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Product Identification
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Product ID:BA5588 LITHIUM/SULFUR DIOXIDE BATTERY

MSDS Date:01/01/1987

FSC:6135

NIIN:01-088-2708

MSDS Number: BGLHS

=== Responsible Party ===

Company Name:SAFT AMERICA INC ADVANCED BATTERY SYSTEMS DIVISION

Address:313 CRESCENT STREET

City:VALDESE

State:

NC

ZIP:28690

Country:US

Info Phone Num:704-874-4111/CORP 912-247-2331

Emergency Phone Num:704-874-4111/800-424-9300(CHEMTREC)

CAGE:7X634

=== Contractor Identification ===

Company Name:SAFT AMERICA INC ADVANCED BATTERY SYSTEMS DIVISION

Address:313 CRESCENT ST NE

Box:City:VALDESE

State:NC

ZIP:28690-9643

Country:US

Phone:828-874-4111/912-245-2806

CAGE:7X634

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Composition/Information on Ingredients
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Ingred Name:SULFUR DIOXIDE (SARA III)

CAS:7446-09-5

RTECS #:WS4550000

F

Fraction by Wt: 30%

OSHA PEL:5 PPM/5 STEL

ACGIH TLV:2 PPM/5 STEL; 9293

Ingred Name:ACETONITRILE (SARA III)

CAS:75-05-8

RTECS #:AL7700000

Fraction by Wt: 10%

OSHA PEL:40PPM/60 STEL

ACGIH TLV:40PPM/60STEL; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:LITHIUM

CAS:7439-93-2

RTECS #:OJ5540000

Fraction by Wt: 4%

ACGIH TLV:NONE

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Hazards Identification
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RESULTS FROM ACUTE EXPOSURE

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

First Aid: EYE CONTACT: FLUSH WITH COPIOUS AMOUNTS OF WATER, SEEK MEDICAL ATTENTION, SKIN CONTACT: FLUSH WITH WATER AND REMOVE CLOTHING, INHALATION: MOVE TO FRESH AIR, BEGIN CPR IF BREATHING HAS STOPPED, SEEK MEDICAL ATTENTION

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

Extinguishing Media: SAND, METAL-X, DRY CHEMICAL, DO NOT USE CO2 EXTINGUISHER

Fire Fighting

Procedures: USE CLASS D EXTINGUISHER FOR LITHIUM FIRE

Unusual Fire/Explosion Hazard: CELLS VENT SO2 AND ACETONITRILE IF HEATED ABOVE 160 F, TEMPERATURES ABOVE 345 F MELT LITHIUM

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

Spill Release Procedures: VENTILATE AREA IF CELL VENTS OR IS RUPTURED, CLEAR ALL PERSONNEL FROM THE AREA FLUSH AWAY LIQUID ELECTROLYTE WITH WATER, USE APPROPRIATE EYE/SKIN PROTECTION. RESPIRATORY PROTECTION MAY BE NECESSARY IN AREAS WITH INADEQUATE VENTILATION.

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

Handling and Storage Precautions: STORE BATTERIES IN COOL, DRY, AREA WITH ADEQUATE VENTILATION. SEGREGATE FROM FLAMMABLE/COMBUSTIBLE LIQUIDS. PROVIDE SPRINKLER SYSTEMS

Other Precautions: DO NOT HEAT, CRUSH, OR DISASSEMBLE THESE BATTERIES. DO NOT SHORT-CIRCUIT OR BYPASS THE INTERNAL FUSES.

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

Respiratory Protection: USE FULL-FACE PRESSURE DEMAND SCBA FOR CONFINED SPACE OR FIRES

Ventilation: ADEQUATE TO MAINTAIN SO2 LEVELS BELOW TLV IN STORAGE AREA

Protective Gloves: RUBBER/NEOPRENE

Eye Protection: CHEMICAL GOGGLES

Supplemental Safety and Health

MSDS DATED 7/11/86

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

HCC: Z6

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

Stability Indicator/Materials to Avoid: YES

LITHIUM REACTS WITH WATER TO PRODUCE HYDROGEN GAS

Stability Con

dition to Avoid:TEMPERATURES ABOVE 160 F, SHORT-CIRCUITING
Hazardous Decomposition Products:SULFUR DIOXIDE, HYDROGEN CYANIDE,
LITHIUM OXIDES

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

Waste Disposal Methods:LAND DISPOSAL IS PROHIBITED UNLESS THE BATTERY
IS RENDERED NON-REACTIVE. RETURN ALL DEPLETED BATTERIES TO THE
LOCAL DEFENSE REUTILIZATION AND MARKETING OFFICE.

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