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SAFT AMERICA INC ADVANCED BATTERY SYSTEMS DIVISION -- 110-6716, LITHIUM SULFUR DIOXIDE BATTERY -- 5845-01-442-0413

============= Product Identification =================

Product ID:110-6716, LITHIUM SULFUR DIOXIDE BATTERY

MSDS Date:03/20/1998

FSC:5845

NIIN:01-442-0413

Status Code:A

Kit Part:Y

MSDS Number: CKTGB === Responsible Party ===

Company Name: SAFT AMERICA INC ADVANCED BATTERY SYSTEMS DIVISION

Address:313 CRES

**CENT ST NE** 

City: VALDESE

State:NC

ZIP:28690-9643

Country:US

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

Emergency Phone Num:800-424-9300 Chemtrec Ind/Phone:(800)424-9300

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

Company Name: SPARTON ELECTRONICS

Address:5612 JOHNSON LAKE ROAD

Box:788

City: DELEON SPRINGS

State:FL

ZΙ

P:32130 Country:US

Phone:904-985-4631

Contract Num:N00164-00-C-0014

CAGE:7A529

======= Composition/Information on Ingredients ========

Ingred Name:LITHIUM METAL

CAS:7439-93-2

RTECS #:OJ5540000

< Wt:2.5

Ingred Name: SULFUR DIOXIDE

CAS:7446-09-5

RTECS #:WS4550000

< Wt:25.

OSHA PEL:13 MG/M3;5 PPM ACGIH TLV:5.2 MG/M3;2 PPM ACGIH STEL:13 MG/M3;5 PPM

Ingred Name: ACETONITRILE

CAS:75-05-8

RTECS #:AL7700000

< Wt:6.

OSHA PEL:70 MG/M3;40 PPM ACGIH TLV:67 MG/M3;40 PPM

ACGIH STEL:101 MG/M3;60 PPM

EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name: ACETYLENE BLACK

CAS:1333-86-4

RTECS #:FF5800000

< Wt:5.

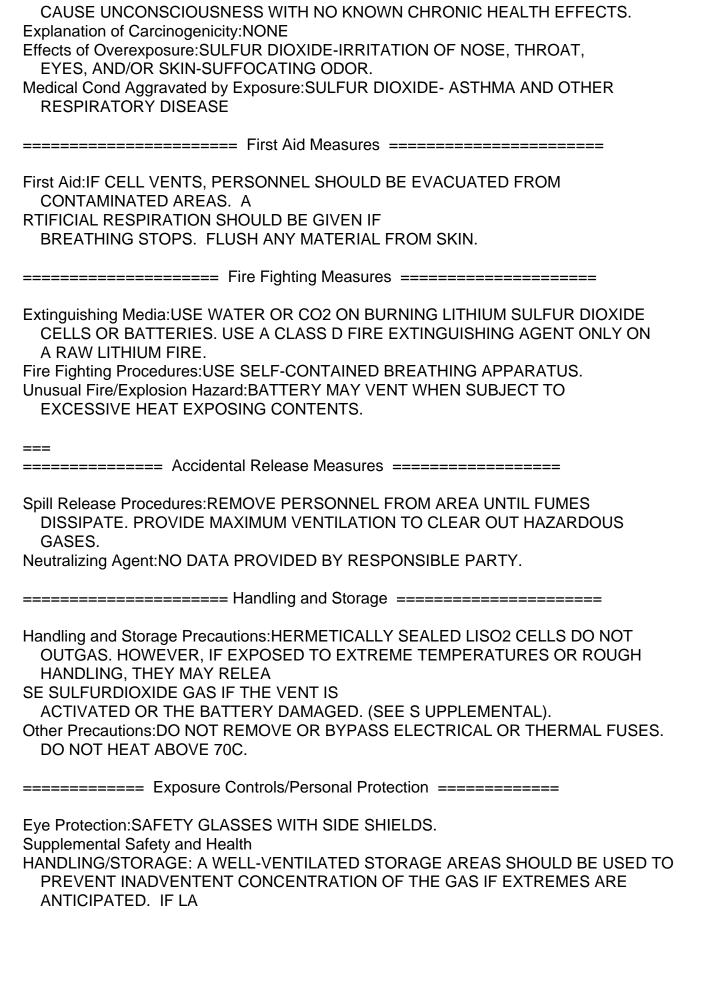
OSHA PEL:3.5 MG/M3 ACGIH TLV:3.5 MG/M3

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

LD50 LC50 Mixture:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:DEPENDING ON THE CONCENTRATION OF SULFUR DIOXIDE EXPOSURE,



IT ACTS AS AN ASPHYXIANT AND MAY POSSIBLY

RGE QUANTITIES OF BATTERIES ARE STORED, IT MAY BE AD VISABLE TO INSTALL ALARM DEVICES IN THE STORAGE AREA TO DETECT SMOKE OR ACCUMULATION OF GASES.
======== Physical/Chemical Properties ==========
HCC:G3 Melt/Freeze Pt:=190.C, 374.F Spec Gravity:>1 Solubility in Water:NOT SOLUBE IN WATER
========= Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES HEATING, MECHANICAL ABUSE AND ELECTRICAL ABUSE (SUCH AS RECHARGING, VOLTAGE REVERSAL AND SHORT CIRCUITING MAY RESULT IN VENTING. Stability Condition to Avoid:BATTERY CONTAINS HERMETIICALLY SEALED CELLS AND IS NONREACTIVE PROVIDED THE BATTERY INTEGRITY IS MAINTAINED AND COIL SEAL REMAINS INTACT
========== Toxicological Information ==========
Toxicological Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.
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Ecological:NO DATA PROVIDED BY RESPONSIBLE PARTY.
===== ================================
Waste Disposal Methods:DISPOSE OF CELL OR BATTERY IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL ENVIRONMENTAL REGULATIONS.
========= MSDS Transport Information ===========
Transport Information:US DOT PROPER SHIPPING NAME: LITHIUM BATTERIES. UN HAZARD CLASS: CLASS 9. UN ID NO: UN3090. HAZARD LABEL: MISCELLANEOUS HAZARD. CONTAINER MARKING: MISCELLANEOUS HAZARD. PLACARD: MISCELLANEOUS.

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======== Other Information =========	======
SARA Title III Information:NO DATA PROVIDED BY RESPONSIBLE F Federal Regulatory Information:NO DATA PROVIDED BY RESPONSIBL State Regulatory Information:NO DATA PROVIDED BY RESPONSIBL	BLE PARTY.

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====== Regulatory Information ==========