View NSN Online: https://aerobasegroup.com/nsn/6135-01-324-2505

SAFT AMERICA INC ADVANCED BATTERY SYSTEMS DIVISION -- LITHIUM THIONYL CHLORIDE BATTERY -- 6135-01-324-2505

Product ID:LITHIUM THIONYL CHLORIDE BATTERY

MSDS Date:03/01/1994

FSC:6135

NIIN:01-324-2505

MSDS Number: CHHVB === Responsible Party ===

Company Name: SAFT AMERICA INC ADVANCED BATTERY SYSTEMS DIVISION

Address:313 CRESCENT STREET

City: VALDESE

State:NC ZIP:286 90

Country:US

Info Phone Num:704-874-4111/CORP 912-247-2331 Emergency Phone Num:704-874-4111/MD 410-771-3200

CAGE:7X634

=== Contractor Identification ===

Company Name: MATHEWS ASSOCIATES INC

Address:645 HICKMAN CIRCLE

Box:City:SANFORD

State:FL ZIP:32771 Country:US

Phone:407-323-3390

CAGE:4U927

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

====== Comp

osition/Information on Ingredients ========
Ingred Name:THIONYL CHLORIDE CAS:7719-09-7 RTECS #:XM5150000 Other REC Limits:NONE RECOMMENDED OSHA PEL:C 1 PPM ACGIH TLV:C 1 PPM; 9596
Ingred Name:LITHIUM METAL CAS:7439-93-2 RTECS #:OJ5540000 Other REC Limits:NONE RECOMMENDED
=========== Hazards Identification ===============
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:IF CEL L SEAL IS BROKEN, THE SUBSTANCE AND VAPORS HAVE A CORROSIVE EFFECT ON THE SKIN AND MUCOUS MEMBRANES. Effects of Overexposure:BURNS AND IRRITATION TO RESPIRATORY SYSTEM. Medical Cond Aggravated by Exposure:ASTHMA AND OTHER RESPIRATORY DISEASES.
======================================
First Aid:EYES: FLUSH IMMEDIATELY WITH WTAER FOR 15 MIN. SKIN: WASH WITH PLENTY OF WATER AND TAKE OFF CONTAMINATED CLOTHES. INHALATION: REMOVE FROM EXPOSURE, SEEK MEDICAL ATTENTION.
======================================
Extinguishing Media:USE WATER OR CARBON DIOXIDE ON BURNING LITHIUM THIONYL CHLORIDE CELLS OR BATTERIES.  Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS. NOTE: USE A CLASS D FIRE EXTINGUISHING AGENT ONLY ON A RAW LITHIUM FIRE. Unusual Fire/Explosion Hazard:GENERATION OF CHLORINE, SULFUR DIOXIDE, DISULFUR DICHLORIDE DURING THERMAL DECOMPOSITION.  ===================================
. 1001.001.101.0

ase Measures ===========
Spill Release Procedures:COVER WITH SODIUM CARBONATE OR 1:1 MIXTURE OF SODA ASH AND SLAKED LIME.
========== Handling and Storage ============
Handling and Storage Precautions:DO NOT RECHARGE, SHORT CIRCUIT, PUNCTURE OR MUTILATE. DO NOT EXPOSE TO TEMPERATURES IN EXCESS OF 85C (185F). DO NOT EXPOSE TO WATER OR CORROSIVES. Other Precautions:IF CONTAMINATION WITH MOISTURE OCCURS, PRODUCT WILL RELAESE GAS CAUSING A PRESSURE BU ILD-UP WHICH COULD RESULT IN DRUM RUPTURE.
====== Exposure Controls/Personal Protection ========
Eye Protection:SAFETY GLASSES. Work Hygienic Practices:KEEP ONLY IN THE ORIGINAL CONTAINER. HANDLE AND OPEN CONTAINER WITH CARE. ENSURE EFFECTIVE VENTILATION. Supplemental Safety and Health
========== Physical/Chemical Properties ==========
HCC:N1 Melt/Freeze Pt:M.P/F.P Text:374F,190C Decomp Temp:Decomp Text:284F,140C Spec Gravity:>1 Solubility in Water:NOT SOLUBLE
========= Stability and Reactivity Data ==========
Stability Indicator/Materials to Avoid:YES WATER ALKALIS. Stability Condition to Avoid:CELLS ARE NON REACTING PROVIDED THE CELL SEAL REMAINS INTACT. THERMAL DECOMPOSITION BEGINS AT 140C. Hazardous Decomposition Products:HYDROGEN, SULFUR DIOXIDE, SULFUR DICHLORIDE, DISULFUR DICHLORIDE, CHLORINE.
======== Disposal Considerations ===========

Waste Disposal Methods:PRODUCT DECOMPOSED BY WA

## TER MUST BE NEUTRALIZED, MAY BE ADDED TO WASTE WATER IN SUFFICIENLY DILUTED FORM.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and ass

ume responsibility for the suitability of this information to their particular situation.