View NSN Online: https://aerobasegroup.com/nsn/6135-01-395-9089

Product ID:LITHIUM THIONYL CHLORIDE BATTERY MSDS Date:01/01/1998 FSC:6135 NIIN:01-395-9089 Status Code:A **MSDS Number: CJJRG** === Responsible Party === Company Name: SAFT AMERICA INC ADVANCED BATTERY SYSTEMS DIVISION Address:313 CRESCENT ST NE City:VALDESE Sta te:NC ZIP:28690-9643 Country:US Info Phone Num:704-874-4111/MD 410-771-3200 Emergency Phone Num:704-874-4111 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: TNR TECHNICAL INC Address:301 CENTRAL PARK DR Box:City:SANFORD State:FL ZIP:32771 Country:US Phone:407-321-3011 Contract Num:SP0430-99-M-AE55 CAGE:

1HJ92

Ingred Name: THIONYL CHLORIDE (SOCL2) CAS:7719-09-7 RTECS #:XM5150000 ACGIH STEL:C4.9 MG/M3;C1 PPM Ingred Name:LITHIUM (LI) METAL CAS:7439-93-2 RTECS #:0J5540000 Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: IF CELL SEAL IS BROKEN, THE SUBSTANCE AND V APORS HAVE A CORROSIVE EFFECT TO THE SKIN AND MUCOUS MEMBRANES. Effects of Overexposure: BURNS AND IRRITATION TO RESPIRATORY SYSTEM. Medical Cond Aggravated by Exposure: GENERALLY AGGRAVATED BY EXPOSURE -ASTHMA AND OTHER RESPIRATORY DISEASES. First Aid:IN CASE OF CONTACT WITH EYES, FLUSH IMMEDIATELY WITH WATER FOR 15 MIN; WITH SKIN, WASH WITH PLENTY OF WATER AND TAKE OFF CONTAMINATED CLOTHES; INHALATION, REMOV **E FROM EXPOSURE - SEEK** MEDICAL ADVISE. Extinguishing Media: USE A CLASS D FIRE EXTINGUISHING AGENT Fire Fighting Procedures: USE SELF-CONTAINED BREATHING APPARATUS. Unusual Fire/Explosion Hazard: GENERATION OF CHLORINE, SULFUR DIOXIDE, DISULFUR DICHLORIDE DURING THERMAL DECOMPOSITION.

Spill Release Procedures: COVER WITH SODIUM CARBONATE OR 1:1 MIXTURE O

SODA ASH AND SLAKED LIME. PRECIPITATE ESCAPING GASES/VAPORS BY SPRAYING WATER. ENSURE ADEQUATE VENTILATION OR EXHAUST VENTILATION IN THE WORKING AREA.

Handling and Storage Precautions: KEEP CONTAINER DRY AND TIGHTLY CLOSED IN A COOL (MAX 50 DEGREES C) AND WELL VENTILATION PLACE. STORE AWAY FROM FOOD AND DRINK. Other Precautions: IF CONTAMINATION WITH MOISTURE OCCURS, PRODUCT WILL RELEASE GAS CAUSING A PRESSURE BUILD-UP WHICH COULD RESULT IN DRUM RUPTURE. Eye Protection: SAFETY GLASSES WITH SIDE SHIELD Supplemental Safety and Health KEEP ONLY IN THE ORIGINAL CONTAINER. HANDLE AND OPEN CONTAINER WITH CARE. ENSURE EFFECTIVE VENTILATION. HCC:Z6 Boiling Pt:=75.C, 167.F Melt/Freeze Pt:=-106.C, -158.8F Vapor Pres:0.04BAR Spec Gravity:1.64 Solubility in W ater: DECOMPOSED BY H20 Appearance and Odor: COLORLESS LIQUID WITH PUNGENT SMELL Stability Indicator/Materials to Avoid:YES WATER ALKALIS Stability Condition to Avoid: CELLS ARE NOT REACTING PROVIDED THE CELL SEAL REMAINS INTACT. Hazardous Decomposition Products:HCL, S02 Waste Disposal Methods: PRODUCT DECOMPOSED BY WATER MUST BE NEUTRALIZED

- MAY BE ADD

ED TO WASTE WATER IN SUFFICIENTLY DILUTE FORM.

Transport Information:LITHIUM BATTERIES, CLASS 9, UN3090

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 per son utilizing this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.