

BATTERY ENGINEERING INC -- 052-611 (1383W15-P003) -- 6135-01-230-4399

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

Product ID:052-611 (1383W15-P003)

MSDS Date:03/18/1992

FSC:6135

NIIN:01-230-4399

MSDS Number: BGQZN

=== Responsible Party ===

Company Name:BATTERY ENGINEERING INC

Address:1636 HYDE PARK AVE

City:HYDE PARK

State:MA

ZIP:02136

Country:US

Info Phone Num:617-361-7555/800-424-9300(CHEMTREC)

Emergenc

y Phone Num:617-361-7555/800-424-9300(CHEMTREC)

Chemtre Ind/Phone:(800)424-9300

CAGE:60289

=== Contractor Identification ===

Company Name:BATTERY ENGINEERING INC

Address:100 ENERGY DRIVE

Box:City:CANTON

State:MA

ZIP:02021

Country:US

Phone:781-575-0800

CAGE:60289

Company Name:GENERAL ELECTRIC CO,INSTRUMENT PRODUCTS OPNS

Address:50 FORDHAM RD

Box:City:WILMINGTON

State:MA

ZIP:01887-2146

Country:US

Phone:617-937-4101

Contract Num:SP0430-96-D-0246

CAGE:97424

===== Composition/Information o

n Ingredients =====

Ingred Name:LITHIUM METAL
CAS:7439-93-2
RTECS #:OJ5540000

Ingred Name:THIONYL CHLORIDE
CAS:7719-09-7
RTECS #:XM5150000
OSHA PEL:C 1 PPM
ACGIH TLV:C 1 PPM; 9192

Ingred Name:ALUMINUM CHLORIDE, ANHYDROUS
CAS:7446-70-0
RTECS #:BD0525000

Ingred Name:LITHIUM CHLORIDE
CAS:7447-41-8
RTECS #:OJ5950000

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

LD50 LC50 Mixture:LC50 INHAL RAT 500 PPM/1HR.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
R
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:VAPORS VERY IRRITATING TO SKIN, EYES
AND MUCOUS MEMBRANES. OVEREXPOSURE CAN CAUSE SYMPTOMS OF
NONFIBROTIC LUNG INJURY.
Effects of Overexposure:EYE AND MUCOUS MEMBRANE IRRITATION.
Medical Cond Aggravated by Exposure:ASTHMA, OTHER RESPIRATORY
DISORDERS, SKIN ALLERGIES, ECZEMA.

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

First Aid:EYE: FLUSH WITH RUNNING WATER FOR AT LEAST 15
MINUTES. HOLD
EYELIDS APART. SEEK IMMEDIATE MEDICAL TREATMENT. SKIN: RINSE WITH
LARGE AMOUNTS OF RUNNING WATER. IF BURNS DEVELOP, SEEK MEDICAL
TREATMENT. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS
DIFFICULT, ADMINISTER OXYGEN AND SEEK MEDICAL TREATMENT. INGESTION:
N/R.

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

Flash Point:NONE
Extinguishing Media:DRY LITHIUM CHLORIDE, GRAPHITE POWDER, PYRENE G-1,
LITH-X
Fire Fighting Procedures:COVER WIT

H DRY LITHIUM CHLORIDE OR LITH-X
POWDER. DO NOT USE WATER, MOIST SAND, CARBON DIOXIDE OR SODA-ACID
EXTINGUISHER. WEAR SCBA.

Unusual Fire/Explosion Hazard:DO NOT SHORT CIRCUIT, RECHARGE,
OVERDISCHARGE, PUNCTURE, CRUSH OR EXPOSE TO TEMPERATURES ABOVE
150C.

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

Spill Release Procedures:DO NOT BREATHE VAPORS OR TOUCH LIQUID WITH
BARE HANDS.

Neutralizing Agent:SODA LIME

===== Handling and Storage

=====

Handling and Storage Precautions:DO NOT SHORT CIRCUIT, RECHARGE,
OVERDISCHARGE, PUNCTURE, CRUSH OR EXPOSE TO TEMPERATURES ABOVE 150
DEG C (302F)

Other Precautions:DO NOT STORE BATTERIES IN HIGH HUMIDITY ENVIRONMENTS
FOR LONG PERIODS.

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

Respiratory Protection:NIOSH APPROVED ACID GAS FILTER MASK.

Ventilation:LOCAL EXHAUST RECOMMENDED

Protective Gloves:BUTYL RUBBER GLOVES

Eye Protection:CHEMICAL

WORKER SAFETY GLASSES

Other Protective Equipment:CHEMICAL APRON

Supplemental Safety and Health

NONE

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

HCC:Z6

Boiling Pt:B.P. Text:171F,77C

Melt/Freeze Pt:M.P/F.P Text:-157F,-105C

Decomp Temp:Decomp Text:302F,150C

Vapor Pres:92

Vapor Density:4.1

Spec Gravity:1.63

Solubility in Water:DECOMPOSES

Appearance and Odor:1" DIA X 4.2" BATTERY. THIONYL CHLORIDE IS
COLORLESS TO PALE YELLOW; SHARP ODOR

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid: YES

Stability Condition to Avoid: TEMPERATURES IN EXCESS OF 150C. HIGH HUMIDITY FOR EXTENDED PERIODS OF TIME.

Hazardous Decomposition Products: SULFUR DIOXIDE, HYDROGEN CHLORIDE

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

Waste Disposal Methods: NEUTRALIZE SPILL WITH SODA LIME, SEAL LEAKING BATTERY AND SODA LIME IN PLASTIC BAG AND DISPOSE OF AS HAZARDOUS WASTE.

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