

---

## **LITHIUM OXYHALIDE PRIMARY BATTERY**

### **MSDS Number**

BKBNV

### **National Stock Number**

6135-01-236-2332

### **Product Name**

LITHIUM OXYHALIDE PRIMARY BATTERY

### **Manufacturer**

ELECTROCHEM INDUSTRIES DIV OF WILSON GREATBATCH

### **Product Identification**

Product ID:LITHIUM OXYHALIDE PRIMARY BATTERY

MSDS Date:12/13/1990

FSC:6135

NIIN:01-236-2332

MSDS Number: BKBNV

### **Responsible Party**

ELECTROCHEM INDUSTRIES, DIV. OF WILSON GREATBATCH

10000 WEHRLE DR.

CLARENCE , NY 14031-2033

US

Emergency Phone: 716-759-6901

Info Phone: 716-759-6901

Cage: 62713

### **Contractor**

ELECTROCHEM INDUSTRIES, DIV. OF WILSON GREATBATCH

CLARENCE, NY 14031-2033

US

716-759-5384

Cage: 62713

### **Ingredients**

LITHIUM METAL

CAS: 7439-93-2

RTECS: OJ5540000

THIONYL CHLORIDE

CAS: 7719-09-7

RTECS: XM5150000

OSHA PELC 1 PPM

ACGIH TLV: C 1 PPM; 9192

BROMINE (SARA III)

CAS: 7726-95-6

RTECS: EF9100000

OSHA PEL0.1PPM/0.3 STEL  
ACGIH TLV: 0.1PPM/0.3 STEL;9192

CHLORINE (SARA III)  
CAS: 7782-50-5  
RTECS: FO2100000  
OSHA PEL(C) 1 PPM  
ACGIH TLV: 0.5 PPM/1 STEL; 9293  
EPA Report Quantity: 10 LBS  
DOT Report Quantity: 10 LBS

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:THE SUBSTANCE AND VAPORS ARE CORROSIVE TO SKIN AND MUCUS MEMBRANES. KEEP BATTERIES DRY, REACTS VIOLENTLY WITH WATER. DO NOT INHALE FUMES. IN CASE OF OVEREXPOSURE TO FUME, REMOVE TO FRESH AIR AND PROVIDE CPR/OXYGEN IF NEEDED. IN CASE OF INGESTION CONTACT PHYSICIAN IMMEDIATELY.  
Effects of Overexposure:BURNS AND IRRITATION TO THE RESPIRATORY SYSTEM.  
Medical Cond Aggravated by Exposure:NOT KNOWN

## First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR/OXYGEN. GET MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: WASH SKIN WITH PLENTY OF SOAP & WATER. INGESTION: GET IMMEDIATE MEDICAL ATTENTION.

## Fire Fighting

Extinguishing Media:DO NO USE WATER. USE GRAPHITE OR LITHIUM-X  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

## Accidental Release

Spill Release Procedures:PICK UP ALL BATTERIES.  
Neutralizing Agent:NONE

## Handling

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM HEAT.  
Other Precautions:KEEP BATTERIES AWAY FROM WATER AND HEAT. DO NOT RUPTURE OR THROW BATTERIES IN FIRE. DO NOT RECHARGE BATTERIES.

## Exposure Controls

Respiratory Protection:NORMALLY NOT REQUIRED. WEAR MASK WITH ABEK TYPE FILTER WHEN HANDLING DUST FROM RUPTURED BATTERY.  
Ventilation:GENERAL/LOCAL EXHAUST VENTILATION.  
Protective Gloves:BAYPREN OR VITON  
Eye Protection:SAFETY GLASSES  
Other Protective Equipment:BOOTS AND RUBBER APRON  
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.  
Supplemental Safety and Health  
WHEN HANDLING RUPTURED BATTERY DO NOT GET ON SKIN, IN EYES OR ON CLOTHING. DO NOT BREATHE VAPORS. KEEP AWAY FROM WATER & HEAT.

## Chemical Properties

HCC:Z6  
Appearance and Odor:OBLONG SHAPED

### **Stability**

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS AND BASES  
Stability Condition to Avoid:HIGH HEAT, MOISTURE  
Hazardous Decomposition Products:HYDROGEN, CHLORINE, BROMINE, OXIDES  
AND HALIDES OF SULFUR. THERMAL DECOMPOSITION BEGINS AT 140C.

### **Disposal**

Waste Disposal Methods:DO NOT INCINERATE, BURY IN LANDFILL IN  
ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATION.

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