

PEL-TWA: Permissible Exposure Limit-Time Weighted Average concentration

ACGIH: American Conference of Governmental Industrial Hygienists, Inc.

TLV-TWA: Threshold Limit Value-Time Weighted Average concentration

BEI: Biological Exposure Indices

- Personal protective equipment
    - Respiratory protection: Respirator with air cylinder, dust mask
    - Hand protection: Protective gloves
    - Eye protection: Goggle or protective glasses designed to protect against liquid splashes
    - Skin and body protection: Working clothes with long sleeve and long trousers
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance
    - Physical state: Solid
    - Form: Prismatic
    - Color: Metallic color
    - Odor: No odor
  - pH: NA
  - Specific temperatures/temperature ranges at which changes in physical state occur.  
There is no useful information for the product as a mixture.
  - Flash point: NA
  - Explosion properties: NA
  - Density: NA
  - Solubility ,with indication of the solvent(s): Insoluble in water
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## 10. STABILITY AND REACTIVITY

- Stability: Stable under normal use
  - Hazardous reactions occurring under specific conditions
    - Conditions to avoid: When a cell is exposed to an external short-circuit, crushes, modification, high temperature above 100 degree C, it will be the cause of heat generation and ignition. Direct sunlight and high humidity.
    - Materials to avoid: Conductive materials, water, seawater, strong oxidizers and strong acids.
    - Hazardous decomposition products: Acidic or harmful gas is emitted during fire.
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## 11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself. The information of the internal cell materials is as follows.

### **Lithium Metal Oxide**

- Acute toxicity: Unknown
- Local effects: Unknown
- Sensitization: Unknown
- Chronic toxicity/Long term toxicity: Unknown
- Skin causticity: Unknown

### **Aluminum**

- Health Rating:0 - None
- Flammability Rating:1 - Slight
- Reactivity Rating:1 - Slight
- Contact Rating:0 - None
- Local effects: Aluminum itself has no toxicity.

### **Graphite**

- Health Rating:0 - None
- Flammability Rating:0 - None
- Reactivity Rating:0 - None
- Contact Rating:1 - Slight
- Acute toxicity: Unknown.
- Local effects: When it goes into one's eyes, it stimulates one's eyes; conjunctivitis, thickening of corneal epithelium or edematous inflammation palpebra may be caused.