



Dangerous Properties of Industrial Materials, eighth edition)

**Acute Effects:**

**Inhalation:** May be an irritant and corrosive to the respiratory tract and mucous membranes.

**Ingestion:** May cause central nervous system effects, circulatory failure and cardiovascular collapse.

**Skin:** May be an irritant and corrosive.

**Eye:** May be an irritant and corrosive.

**Chronic Effects:**

**Inhalation:** May cause pulmonary edema and lung damage.

**Ingestion:** May cause gastrointestinal irritation, renal dysfunction, derangement of neuromuscular activity, diabetes and kidney damage.

**Skin:** May be an irritant and corrosive.

**Eye:** May be an irritant and corrosive.

**Routes of Entry:** Inhalation, ingestion, skin and eyes.

**Target Organs:** May affect respiratory system, lungs, central nervous system, kidneys, skin and eyes.

**Medical Conditions Generally Aggravated by Exposure:** Pre-existing respiratory and skin disorders.

**Carcinogenicity:** NTP: No      IARC: No      OSHA: No

**EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION:** Remove to fresh air, keep warm and quiet, give oxygen if breathing is difficult and seek medical attention immediately.

**INGESTION:** Do not induce vomiting. Seek immediate medical attention.

**SKIN:** Immediately wash affected area with plenty of water, remove contaminated clothing. Obtain medical assistance immediately.

**EYE:** Flush with copious amounts of water, including under eyelids, for at least 15 minutes. Obtain medical attention immediately.

**VI      REACTIVITY DATA**

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**Stability:** Stable

**Conditions to Avoid:** None

**Incompatibility (Materials to Avoid):** Water, steam, reducing agents, organic material, metallic oxides and salts.

**Hazardous Decomposition Products:** Lithium hydroxide and oxygen.

**Hazardous Polymerization:** Will not occur.

**VII      SPILL OR LEAK PROCEDURES**

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**Steps to Be Taken in Case Material Is Released or Spilled:** Wear appropriate respiratory and protective equipment specified in Section VIII. Isolate spill area and provide ventilation. Vacuum up spill using a high efficiency particulate absolute (HEPA) air filter and place in a closed container for proper disposal. Take care not to raise dust.

**Waste Disposal Method:** Dispose of in accordance with Local, State and Federal regulations.

**VIII      SPECIAL PROTECTION INFORMATION**

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**Respiratory Protection:** Wear a NIOSH/MSHA approved dust-mist-vapor respirator.

**Ventilation:** Handle in a controlled atmosphere. Use local exhaust to maintain concentration at low levels. General exhaust is not recommended.

**Protective Gloves:** Rubber gloves

**Eye Protection:** Safety goggles

**Other Protective Equipment:** Protective gear suitable to prevent contamination.

## **IX SPECIAL PRECAUTIONS**

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**Precautions to Be Taken in Handling and Storage:** Store in tightly sealed container. Store in a cool, dry area. Wash thoroughly after handling.

**Work Practices:** Implement engineering and work practice controls to reduce and maintain concentration of exposure at low levels. Use good housekeeping and sanitation practices. Do not use tobacco or food in work area. Wash thoroughly before eating and smoking. Do not blow dust off clothing or skin with compressed air.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ESPI shall not be held liable for any damage resulting from handling or from contact with the above product.

Issued by: S. Dierks  
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