



**OTHER: Soluble in HCl, H2SO4 and Alkalies.**

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**SECTION 4**

**FIRE AND EXPLOSION HAZARD DATA**

**FLASHPOINT/METHOD:** N/A

**AUTOIGNITION TEMP (°C):** N/A

**FLAMMABILITY:** Flammable *only as a fine dust powder.*

**EXTINGUISHING MEDIA:** (x) Water ( ) Foam ( ) Class D Extinguisher  
(x) Dry Chemical ( ) CO(2) ( ) Other

(specify):

**SPECIAL FIRE FIGHTING PROCEDURES:** DO NOT USE WATER! Wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Dust clouds may be explosive, molten Aluminum may explode on contact with water. Damp Aluminum dust may spontaneously heat with liberation of hydrogen to form explosive air mixtures.

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**SECTION 5**

**HEALTH HAZARD DATA**

**TOXICITY DATA:** No specific data on this material.

**HMS HAZARD RATING:**

<b>HEALTH:</b>	1	<b>FLAMMABILITY:</b>	2
<b>REACTIVITY:</b>	1	<b>PERSONAL PROTECTION:</b>	J

**ROUTE(S) OF ENTRY:** (x) Inhalation ( ) Skin (x) Ingestion

**EFFECTS OF OVEREXPOSURE** (acute and chronic)

**INHALATION:** Has been reported to cause pulmonary fibrosis. May be mechanically irritating to lungs and upper respiratory tract, causing coughing and sneezing.

**DERMAL/EYE CONTACT:** Particles may cause mechanical irritation to the eyes and local irritation to the skin.

**OTHER (specify):** Ingestion in massive doses may cause gastrointestinal irritation and may be toxic.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Respiratory disorders**

**CARCINOGENICITY: None NTP: IARC MONOGRAPHS: OSHA REGULATED:**

**EMERGENCY AND FIRST AID PROCEDURES:**

**INGESTION: Induce vomiting. Seek medical attention.**

**INHALATION: Remove victim to fresh air. Administer oxygen. Seek medical attention.**

**SKIN: Brush material off skin. Wash affected area with soap and water.**

**EYES: Flush eyes with water for 15 mins. Seek medical attention.**

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**SECTION 6  
REACTIVITY DATA**

**STABILITY: (x) Stable ( ) Unstable  
CONDITIONS CONTRIBUTING TO UNSTABILITY:**

**INCOMPATIBILITY (materials to avoid):  
( ) Water ( ) Combustible materials ( ) Strong bases  
( ) Reducing Agents ( ) Strong oxidizing materials ( ) Strong acids  
( ) Other (specify): See attached sheet.**

**HAZARDOUS DECOMPOSITION PRODUCTS: May release acrid smoke and irritating fumes.**

**HAZARDOUS POLYMERIZATION: ( ) May occur (x) Will not occur**

**CONDITIONS TO AVOID: Incompatible materials, heat, flame and sparks.  
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**SECTION 7  
SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wearing full protective clothing, isolate the area and insure proper ventilation. Vacuum up spill and place in a container for proper disposal. Take care not to raise dust.

**WASTE DISPOSAL METHOD:** In accordance with regulations.

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**SECTION 8**  
**SPECIAL PROTECTIVE INFORMATION**

**RESPIRATORY PROTECTION:** (Specify type) NIOSH/MSHA approved respirator. Use dust and fume respirator where exposure limits may be reached.

**VENTILATION:** LOCAL EXHAUST: Recommended to maintain exposure below TLV  
MECHANICAL (General): Recommended  
SPECIAL: Handle in controlled atmosphere.

**PROTECTIVE GLOVES:** Recommended

**EYE PROTECTION:** (x) Safety Glasses with Side Shields  
( ) Chemical Workers Dust-Proof Goggles (under dusting conditions)  
( ) Gas-Tight Goggles or Equivalent  
( ) Other (specify):

**OTHER PROTECTIVE EQUIPMENT:** Maintain sink, safety shower and eyewash fountain in the work area. Wear full protective clothing at all times.

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**SECTION 9**  
**SPECIAL PRECAUTIONS AND TRANSPORTATION REGULATIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store in tightly closed containers in a cool, dry place. Wash hands and face thoroughly. Store away from incompatible materials.

**TRANSPORTATION REQUIREMENTS:**  
DOT CLASS: Flammable Solid  
UN NUMBER: 1396  
IMCO CLASS: 4.3

**OTHER:            SPC**  
**ND = No Data Found            NA = Not Applicable**

## MATERIAL SAFETY DATA SHEET

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.