

# MATERIAL SAFETY DATA SHEET

## ALUMINUM CHLORIDE 20% SOLUTION

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**Product/Chemical Name: ALUMINUM CHLORIDE 20% in Ethanol**

**Formula:**  $\text{AlCl}_3 \cdot 6(\text{H}_2\text{O})$ ;  $\text{C}_2\text{H}_5\text{OH}$

**Physical Description:** Colorless, syrupy white liquid with a pungent odor and sweet astringent taste. Sublimation point of crystals: 360°F (182°C). BP of solution unknown. Water soluble.

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**Special Hazards:** N/A

**Unusual Fire/Explosion Hazards:** Ethanol is flammable. Burns with a blue flame which may not be visible. Extinguishing media: Use water fog, carbon dioxide, foam or dry chemical (water may be ineffective).

**Reactivity:** Stable under normal temperatures and pressure.

**Hazardous Decomposition Products:** Thermal decomposition products include toxic and corrosive hydrogen chloride.

**Spill or Leak Procedures**

**Action:** For large spills, sweep up with a minimum of dusting and place into suitable clean, dry containers for reclamation or later disposal.

**Disposal Method:** To be performed in compliance with all current local, state and federal regulations.

**Threshold Limit Value:** N/A

**Overexposure Effects:** Repeated or prolonged exposure may cause symptoms of respiratory tract irritation leading to pulmonary edema with hypotension and dizziness.

**Potential Carcinogen:** No

**First Aid Procedures**

**Skin:** Remove contaminated clothing and wash area with soap and water for at least 15 minutes until no evidence of chemical remains. In case of chemical burns, cover area with sterile, dry dressings. Bandage securely. Get medical attention immediately.

**Eye:** Check for and remove any contact lenses. Flush with plenty of water for 15-20 minutes. Cold water may be used. Get medical attention.

**Ingestion:** Check for and remove any dentures. Do not induce vomiting unless instructed to do so by medical personnel. Get medical attention immediately.

**Inhalation:** Remove to fresh air. Give oxygen if necessary, get medical attention.

**Storage Recommendations:** Store in a cool, dry place protected against light.

**Special Protection Information**

Exhaust ventilation recommended. Protective gloves and safety goggles required.

**Special Handling Precautions**

N/A