



## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product name:** Aluminum Chloride, Solution , 32° Baume
- **Manufacturer:** Deep South Chemical, Inc.  
229 Millstone Road  
Broussard, LA 70518 (337) 837-9931
- **For Emergency : Call CHEMTREC 1-800-424-9300**  
Outside the U.S.A. (703)-527-3887
- **Chemical Family:** Inorganic Metal Salt
- **Contact Person:** Glenn Ray
- **Formula:** AlCl<sub>3</sub>
- **MSDS Revised:** January 1, 2014

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>CAS Number</u>	<u>%</u>	<u>PEL(OSHA)</u>		<u>TLV(ACGIH)</u>		<u>IDLH</u>
			<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>	
Aluminum Chloride	7446-70-0	28-32	N/E	N/E	2mg/m <sup>3</sup>	N/E	N/E

### SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

#### Effects of overexposure

**Inhalation:** This product may cause irritation to nose, throat, and respiratory tract

**Skin Contact:** This product may cause irritation to the skin.

**Eye Contact:** Irritation to eyes.

**Ingestion:** There may be irritation of the mouth, throat, and digestive tract.

### SECTION 4. FIRST AID MEASURES

**Eyes:** Move victim away from exposure and into fresh air. If irritation persists, seek medical attention. For direct exposure, flush with clean water for 15 minutes. Hold eyelids apart to ensure flushing of the entire eye surface.

**Inhalation:** Move victim away from source of exposure and into fresh air. If irritation persists, seek medical attention. If victim is not breathing, artificial respiration should be administered.

**Skin:** Remove contaminated clothes. Cleanse affected area thoroughly with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing.

**Ingestion:** Drink plenty water. Do not induce vomiting. Seek medical attention.

### SECTION 5. FIRE FIGHTING MEASURES

#### Fire fighting measures

**Extinguishing Media:** Product will not burn.

#### Explosive Properties:

**LEL:** N/A

**UEL:** N/A

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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**Steps to be taken if material is released or spilled:** Use proper personal protective equipment. Stay upwind from spill. For small solution spills, take up with earth, sand, vermiculite, or other absorbent, noncombustible material. For large spills, dike far ahead of liquid spills for later disposal. Neutralize with soda ash or slaked lime.

**Waste disposal method:** Dispose of according to local, state and federal regulations in an approved disposal facility or recycling facility.

**SECTION 7. HANDLING AND STORAGE**

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**Storage:** Store in a well-ventilated area. Keep container tightly closed when not in use. Store in cool, dry area.

**Handling:** Use proper personal protective equipment. Avoid contact with skin or eyes. Avoid breathing of vapors. Handle in well-ventilated workspace. When handling do not eat, drink, or smoke.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Ventilation:** Keep work area well ventilated.

**Protective clothing:** Impermeable gloves and impervious clothing as appropriate.

**Eye protection:** Chemical goggles where splashing may occur.

**Respiratory Protection:** Use appropriate respiratory protection when handling or in case of insufficient ventilation.

**Special Protection:** Safety shower, eye bath, and washing facilities should be available.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Specific gravity @ 77°F(H<sub>2</sub>O = 1):** 1.29

**Flash Point(PMCC Method)(°F):** N/A

**Vapor density (Air = 1):** N/D

**Solubility:** 100% in water.

**Vapor pressure @ 68°F:** <5mmHg

**Evaporation Rate:** N/D

**Appearance:** Clear to hazy liquid

**Odor:** None

**Boiling Point(°F) :** 230

**Melting Point(°F):** N/A

**Viscosity:** N/D

**pH:** <1.0

**Auto-ignition:** N/A

**SECTION 10. STABILITY AND REACTIVITY**

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**Stability and Reactivity:** Product degrades at temperatures above 113°F.

**Incompatible Materials:** Avoid strong bases, alcohols, ammonia, and organic materials. Mixing may generate heat, spattering or boiling and toxic vapors.

**Hazardous Decomposition Products:** May decompose to hydrogen chloride (hydrochloric acid) and chlorine at elevated temperatures.

**Hazardous Polymerization:** Will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

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**Acute Effects (Short term):** Irritation

**Chronic Effects (Long term):** N/D

**SECTION 12. ECOLOGICAL INFORMATION**

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**Degradation:** N/D

**SECTION 13. DISPOSAL CONSIDERATIONS**

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**Disposal:** If spilled, dispose according to local, state, and federal regulations. Recycle waste containers and clean out residues.

**SECTION 14. TRANSPORT INFORMATION**

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**DOT Transport Information:** UN 2581, Aluminum Chloride, Solution 8, PG III

**SECTION 15. REGULATORY INFORMATION**

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**Toxic Substances Control Act (TCSA):** All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

**CERCLA RQ-40 CFR 302.4(a)**

Component

CERCLA RQ

None

**SARA 302 Components-40 CFR 355 Appendix A**

None

**Section 311/312 Hazard Class-40 CFR 370.2**

Immediate (X)

Delayed ( )

Fire ( )

Reactive ( )

Sudden Release of Pressure ( )

**SARA 313-40 CFR 372.65**

Component

CAS Number

%

None

**SECTION 16. OTHER INFORMATION**

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**NFPA RATING: Health (2) Fire (0) Reactivity (0)**

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N/D= No data; N/A = Not available; N/E= Not established