



## Material Safety Data Sheet

### 1. IDENTIFICATION

**PRODUCT NAME:** H2-20I-C  
**CHEMICAL NAME/SYNONYMS:** Polyaluminum Chloride  
**CHEMICAL FAMILY:** Inorganic salt  
**CHEMICAL FORMULA:** Proprietary  
For emergencies call Chemtrec at 1-800-424-9300

### 2. HAZARD(S) IDENTIFICATION

**POTENTIAL HEALTH EFFECTS:**

**EYES:** May cause severe irritation or permanent damage upon contact unless immediately rinsed.

**SKIN:** May cause irritation upon prolonged contact.

**INGESTION:** Will cause strongly acidic condition in gastrointestinal tract.

**INHALATION:** Unknown

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>CAS #</u>	<u>COMPONENT</u>	<u>PERCENT</u>
1327-41-9	polyaluminum chloride	<25

INGREDIENTS NOT PRECISELY IDENTIFIED ARE PROPRIETARY OR NON-HAZARDOUS. ALL INGREDIENTS APPEAR ON THE EPA TSCA INVENTORY. VALUES ARE NOT PRODUCT SPECIFICATIONS.

### 4. FIRST-AID MEASURES

**EYES:** Flush with plenty of water. Consult a physician if irritation persists.

**SKIN:** Wash affected area with soap and large amounts of water.

**INGESTION:** Drink large amounts of water or milk. Do not induce vomiting. Consult a physician.

**INHALATION:** If inhalation problem occurs remove victim to fresh air.

### 5. FIRE-FIGHTING MEASURES

**FLAMMABLE PROPERTIES:**

**Flash Point:** N/A

**Flash Point Method:** Open cup

**Autoignition Temperature:**

**Upper Flame Limit (vol % in air):**

**Lower Flame Limit (vol % in air):**

**Flame Propagation Rate (solids):**

**OSHA Flammability Class:**

**EXTINGUISHING MEDIA:** Carbon dioxide, foam, dry chemical, water

**FIRE FIGHTING EQUIPMENT/PROCEDURES:** Use self contained breathing apparatus to avoid possible fumes.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

**H2-20I-C****6. ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Spill should be covered with absorbent material, and swept up as soon as possible and placed in a dry container. Wash spill area with large amounts of water. Dispose of in landfill in accordance with federal, state, and local regulations.

FOR FURTHER INFORMATION RELATIVE TO SPILLS RESULTING FROM TRANSPORTATION INCIDENTS, REFER TO LATEST DEPARTMENT OF TRANSPORTATION EMERGENCY RESPONSE GUIDEBOOK FOR HAZARDOUS MATERIALS INCIDENTS, DOT P 5800.3.

**7. HANDLING AND STORAGE****8. EXPOSURE CONTROLS / PERSONAL PROTECTION****PERSONAL PROTECTION EQUIPMENT:**

**RESPIRATORY PROTECTION:** None normally needed.

**EYE PROTECTION:** Safety goggles, or glasses with side shields.

**SKIN PROTECTION:** Rubber gloves, if needed to avoid prolonged contact.

**VENTILATION:** Provide enough ventilation to minimize any vapor inhalation.

**ADDITIONAL INFORMATION:** Avoid skin contact. Spills should be dealt with immediately.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**INITIAL BOILING POINT (C):** 100

**SPECIFIC GRAVITY:** 1.2

**VAPOR PRESSURE:** similar to water

**% VOLATILE BY VOLUME:** 50

**VAPOR DENSITY (AIR=1):** 6

**EVAPORATION RATE:** NA

**SOLUBILITY IN WATER:** Soluble.

**APPEARANCE AND ODOR:** Pale yellow-brown liquid, slight odor.

**PH RANGE:** 3.0-4.0

**FREEZE POINT:** 12° F

**10. STABILITY AND REACTIVITY**

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Alkaline materials, strong oxidizers.

**STABILITY:** Stable.

**INCOMPATIBILITY:** Strong oxidizing agents, alkalis.

**11. TOXICOLOGICAL INFORMATION****12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS****14. TRANSPORT INFORMATION**

This material is regulated as a DOT Hazardous Material unless contained in plastic container.

**US DOT INFORMATION:**

<b>UN/NA #</b>	<b>Shipping Name Hazard</b>	<b>Class</b>	<b>Packing Group</b>	<b>ERG</b>	<b>RQ</b>
UN3264,	Corrosive liquid, acidic, inorganic, N.O.S. (contains polyaluminum chloride)	8,	III,	154	5000lbs

**15. REGULATORY INFORMATION****16. OTHER INFORMATION**

Do not use ingredient information and/ or ingredient percentages in this MSDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from H2O Technical Services.

**DISCLAIMER:**

We believe that the information in this MSDS is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily either all-inclusive or fully adequate in every circumstance. Also, these suggestions should not be confused with or followed in violation of applicable laws, regulations, rules or insurance requirements.

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