



## Material Safety Data Sheet

### 1. IDENTIFICATION

**PRODUCT NAME:** H2-30I-C  
**CHEMICAL NAME/SYNONYMS:** Cationic polymer  
**CHEMICAL FAMILY:** Cationic polymer blend  
**CHEMICAL FORMULA:** Proprietary  
For emergencies call Chemtrec at 1-800-424-9300

### 2. HAZARD(S) IDENTIFICATION

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>CAS #</u>	<u>COMPONENT</u>	<u>PERCENT</u>
1327-41-9	Polyaluminum chloride	<40

Ingredients not precisely identified are propriety or non-hazardous. All ingredients appear on the EPA TSCA Inventory. Values are not product specifications.

### 4. FIRST-AID MEASURES

**IF ON SKIN:** Wash affected area with soap and large amounts of water.  
**IF IN EYES:** Flush with plenty of water. Consult a physician if irritation persists.  
**IF SWALLOWED:** Drink large amounts of water or milk. Do not induce vomiting. Consult a physician.  
**IF BREATHED:** If inhalation problem occurs remove victim to fresh air.

### 5. FIRE-FIGHTING MEASURES

**FLASH POINT AND METHOD:** Open Cup: N/A  
**EXPLOSIVE LIMIT:** N/A  
**EXTINGUISHING MEDIA:** Carbon dioxide, foam, dry chemical, water spray. Cook any exposed containers with water.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None  
**SPECIAL FIREFIGHTING PROCEDURES:** Use self-contained breathing apparatus to avoid possible fumes.

### 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.

### 7. HANDLING AND STORAGE

**HANDLING PRECAUTIONS:** Avoid skin contact. Spills should be dealt with immediately.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****EFFECTS OF OVEREXPOSURE:****BREATHING:** Unknown**EYES:** May cause severe irritation or permanent damage upon contact unless immediately rinse.**SKIN:** May cause irritation upon prolonged contact.**SWALLOWING:** Will cause strongly acidic condition in gastrointestinal tract.**RESPIRATORY PROTECTION (SPECIFY TYPE):** None normally needed.**VENTILATION:** Provide enough ventilation to minimize any vapor inhalation.**PROTECTIVE GLOVES:** Rubber gloves, if needed to avoid prolonged contact.**EYE PROTECTION:** Safety goggles, or glasses with side shields**OTHER PROTECTIVE EQUIPMENT:** None.**9. PHYSICAL AND CHEMICAL PROPERTIES****INITIAL BOILING POINT (C):** 100 to 110o C (212 to 320o F)**APPEARANCE & ODOR:** Clear amber liquid, pungent chlorine odor.**SPECIFIC GRAVITY:** 1.15 to 1.40 @ 25o C (77o F)**VAPOR PRESSURE (MM HG @ 20OC):** ~ 18**EVAPORATION RATE (H2O=1):** N/A**pH:** 0.5 - 4.4**FREEZING POINT:** -20 to 5o C (-4 to 23o F)**% VOLATILE BY VOLUME:** 50**VAPOR DENSITY (AIR=1):** < 1**SOLUBILITY IN WATER:** Soluble**MOLECULAR WEIGHT:** 133.5 - 174.5**10. STABILITY AND REACTIVITY****STABILITY:** Stable.**HAZARDOUS POLYMERIZATION:** Will not occur.**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizing agents, alkalis. Corrosive to common metals such as aluminum, stainless and mild steel, nickel, copper and brass.**CONDITIONS TO AVOID:** Strong oxidizing agents, alkalis.**11. TOXICOLOGICAL INFORMATION****12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS**

Dispose of waste materials according to all federal, state and local regulations.

**14. TRANSPORT INFORMATION**

This material is regulated as a DOT Hazardous Material unless packaged in a non-metal 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., (hydrate of chloride)	8,	III	154	

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

## MSDS

### H2-30I-C

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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