



## PRODUCT DATA SHEET

### Coagulant WT-8114

Coagulant WT-8114 is a highly cationic aluminum chlorohydrate blend. WT-8114 is effective in waste water clarification, surface water clarification, oily wastewater separation and flotation.

#### TYPICAL PROPERTIES

Appearance and odor	-	Water white to slightly yellow liquid
Specific Gravity	-	1.34
pH	-	2.5 ± 0.5
Shelf life	-	6 months
Basicity	-	80%
% Al <sub>2</sub> O <sub>3</sub>	-	23.55%

#### HANDLING

Use gloves, boots, protective suits, full head and face protection. Do not wear contact lenses. Promptly remove soiled clothing. Emergency eye wash and safety showers should be available. When cleaning or repairing equipment contaminated with this material, total encapsulating impervious suits, gloves and boots must be worn to prevent any contact.

#### MATERIALS OF CONSTRUCTION/STORAGE

Do not store WT-8114 in mild steel, stainless steel, aluminum or brass containers. Polyethylene, polypropylene or fiberglass containers are recommended.



## MATERIAL SAFETY DATA SHEET WT-8114

### 1. Material Identification

Manufacturer's Name One AquaSource, Inc.  
Manufacturer's Address P.O.Box 207  
Waterville, OH 43566  
24 Hour Emergency Telephone **CHEM-TEL 1-800-255-3924**  
Manufacturer's Phone 888-777-9555  
Product Name WT-8114  
Chemical Name Aluminum Chlorhydrate  
Formula Proprietary CAS# 1327-41-9  
Current Issue Date November 28, 2007

### 2. Hazardous Ingredients

Product does not contain section 313 reportable chemicals

### 3. Health Hazards

Inhalation Mist if formed may irritate respiratory tract  
Ingestion Will cause strongly acidic condition in gastro intestinal tract  
Skin May cause irritation, especially after prolonged or repeated contact  
Eyes May cause irritation or permanent damage unless immediately rinsed.  
Unusual Chronic Toxicity None known

### 4. First Aid Measures

Eyes & Face Immediately flush with water for at least 15 minutes. Seek medical attention  
Skin Flush with soap and water for at least 15 minutes. If irritation persists seek medical attention  
Inhalation Remove to fresh air. Apply mouth to mouth respiration if not breathing. Seek immediate medical attention  
Ingestion **Do not induce vomiting.** Consult a physician



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## 5. Fire & Explosion Hazard

Flash Point	Not Flammable
Unusual Fire Hazard	None known
Unusual Explosion Hazard	None known

## 6. Precautions & Procedures

Fire Extinguishing Agents	Foam, carbon dioxide or dry chemical
Fire Extinguishing Agents to Avoid	N/A
Special Fire Fighting	Wear self contained breathing apparatus. Use water to spray containers cool. Solutions of product are slippery
Ventilation	Local exhaust if enclosed or if mist conditions prevail. If not, natural ventilation is adequate
Normal Handling	Avoid contact with skin, eye or clothing. Do not inhale mists.
Storage	Store above freezing point of water and below 40C
Leak & Spill Procedures	Dike and absorb spill material with inert material. Do not allow spills to enter water ways. Water may be used to complete the cleaning
Special Precautions	N/A
Label Instructions	N/A
Signal Word	Caution

## 7. Personal Protective Clothing

Respiratory Protection	If mist occurs wear respirator
Eyes & Face	Full face shield
Hands, Arms & Body	Rubber gloves, rubber apron
Other	Eye wash, and quick drench shower



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#### 8. Physical Data

Physical State	Liquid
Appearance and Odor	Clear, pale yellow, no odor
Boiling Point	105 degrees C
Specific Gravity	1.31-1.36
Freeze Point	18-21 degrees F
Solubility in Water	Complete
pH	3.5 ± 0.5

#### 9. Reactivity Data

Shelf Life	Stable
Conditions to Avoid	N/A
Incompatibility	Strong bases, all metals
Hazardous Polymerization	Will not occur

#### 10. Environmental

Degradability	ND
Aquatic Toxicity	Cationic polymers are toxic to fish
Waste Disposal	Incinerate or in chemical landfill in accordance with Federal, State and Local regulations.
RCRA Status	Not hazardous
Hazardous Waste #	N/A
Reportable Quantity	N/A
Threshold Planning Quantity	N/A

#### 11. EPA Hazard Classification Code

Acute	Yes
Fire	No
Chronic	No
Pressure	No



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## 12. HMIS and NFP Ratings

	HMIS	NFTP	0=insignificant
Health	1	1	1=slight
Flammability	0	0	2=moderate
Special	N/A	N/A	3=high
Reactivity	0	0	4=extreme