



One AquaSource

PRODUCT DATA SHEET

Coagulant WT-8114

Coagulant WT-8114 is an 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_2O_3 | - | 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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MSDS

WT-8114

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 \pm 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 |