



## Safety Data Sheet

### 1 – PRODUCT IDENTIFICATION

**PRODUCT NAME:**.....**Captifloc AP910**  
**DESCRIPTION:** .....Liquid. Colorless to pale yellow with no odor.  
**RESTRICTIONS ON USE:** .....Use only as directed

**COMPANY:**..... CHEMTRON CORPORATION  
3500 Harry S. Truman Blvd  
St. Charles, MO 63301  
636-940-5445 (Mon-Fri., 8:00-4:00)  
www.chemtroncorporation.com

**EMERGENCY PHONE:** .....(800) 424-9300 (CHEMTREC)  
**REVISION DATE:** .....July 30, 2018

### 2 – HAZARDS IDENTIFICATION

**CLASSIFICATION 29 CFR 1910.1200:** .....Met. Corr 1  
Eye Irrit. 2



**GHS SIGNAL WORD:** .....**Danger**

**GHS HAZARD STATEMENTS:** .....May be corrosive to metals.  
Causes serious eye irritation.

**GHS PRECAUTIONARY STATEMENTS:** .....Keep only in original container.  
Avoid contact with skin and eyes.  
Wear protective gloves/eye protection.  
Wash hands and exposed skin after use.  
IF INHALED: Get medical advice/attention if you feel unwell.  
IF ON SKIN: Wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention.  
IF IN EYES: Rinse cautiously with water for several minutes  
Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

**HAZARDS NOT OTHERWISE CLASSIFIED:** .....None



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### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER
Polyaluminum Chloride	30-50	1327-41-9
Water	50-70	7732-18-5

The exact percent by weight of the ingredients in this formulation is proprietary.

### 4 – FIRST-AID MEASURES

**BREATHING (INHALATION):**..Get medical advice/attention if you feel unwell.

**SWALLOWING (INGESTION):**..Call a POISON CENTER or doctor/physician if you feel unwell.

**EYES:** .....Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

**SKIN (DERMAL):** .....Wash affected skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention.

**ACUTE SYMPTOMS:**.....None

**DELAYED EFFECTS:** .....None

**IMMEDIATE OR SPECIAL TREATMENT:**.....IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

### 5 – FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** .....Non-combustible. As appropriate for surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES:** .....Combustion or thermal decomposition will evolve toxic and irritant vapours. A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

### 6 – ACCIDENTAL RELEASE MEASURES

**SPILL PROCEDURES:**.....Prevent liquid entering sewers, basements and work pits. Avoid release to the environment. Cover spills with inert absorbent material. Transfer to container for disposal or recovery.

**PERSONAL PRECAUTIONS:** ....Avoid contact with skin and eyes. Wear protective gloves/eye protection

### 7 – HANDLING and STORAGE

**STORAGE:** .....Keep in a cool well ventilated place. Store at temperatures not exceeding 50 C/122F. Protect from sunlight. This product should be stored away from sources of strong heat, oxidizing chemicals and reducing agents.

**HANDLING:**.....Avoid contact with skin and eyes.



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### 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE LIMITS:

INGREDIENT	SOURCE & PARAMETER	EXPOSURE LIMIT
Polyaluminum Chloride, as Al	TWA PEL OSHA	8hr 15 mg/m <sup>3</sup> (T)
Polyaluminum Chloride, as Al	TWA PEL OSHA	8hr 5 mg/m <sup>3</sup> (R)
Polyaluminum Chloride, as Al	TWA TLV ACGIH	8hr 1 mg/m <sup>3</sup> (R)

**PROTECTIVE CLOTHING:**.....Wear protective eyewear (goggles, face shield, or safety glasses). Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data. Normally no personal respiratory protecting is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

**ADDITIONAL MEASURES:**.....Thermal hazards. Not normally required. Use gloves with insulation for thermal protection when needed. Avoid release to the environment.

### 9 – PHYSICAL / CHEMICAL PROPERTIES

**APPEARANCE:** .....Liquid. Almost colorless to pale yellow.

**ODOR:** .....None

**BOILING POINT:** .....110 C (230 F)

**VAPOR PRESSURE:**.....Similar to water

**VAPOR DENSITY (AIR=1):**.....Similar to water.

**SPECIFIC GRAVITY:** .....1.2-1.35

**pH:** .....4.0-4.5

**SOLUBILITY IN WATER:** .....Miscible in water.

**FLAMMABILITY:** .....Not applicable

**EVAPORATION RATE:**.....Similar to water

**MELTING POINT/FREEZING POINT:**.....(10.4 F)

### 10 – STABILITY and REACTIVITY

**REACTIVITY:** .....Stable under normal conditions.

**STABILITY:** .....Stable

**INCOMPATIBILITY:** .....Substances that react with water or aluminum

**HAZARDOUS REACTIONS:**.....None anticipated

**HAZARDOUS DECOMP:** .....None anticipated

### 11 – TOXICOLOGICAL INFORMATION

**LIKELY ROUTES OF EXPOSURE:**.....Inhalation, Skin Contact, Eye Contact

**MUTAGENICITY:** .....Negative

**LISTED CARCINOGEN:** .....It is unlikely to present a carcinogenic hazard to man.



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INGREDIENTS	DATA
Polyaluminum Chloride (CAS 1327-41-9)	Oral LD50 > 2000 mg/kg (Rat) Dermal LD50 >2000 mg/kg (Rat)

### 12 – ECOLOGICAL INFORMATION

**ENVIRONMENTAL FATE AND DISTRIBUTION:** ENVHAZ

PRODUCT	DATA
Polyaluminum Chloride (CAS 1327-41-9)	LC50 96hr 186 mg/l (Danio Rerio) EC50 48hr 38 mg/l (Daphnia Magna)

**PERSISTENCE AND DEGRADABILITY:**.....Not readily biodegradable  
**BIOACCUMULATIVE POTENTIAL:**.....This product has no potential for bioaccumulation  
**MOBILITY IN SOIL:**.....Not available  
**OTHER ADVERSE EFFECTS:** ..Not available

### 13 –DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** .....Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

### 14 – TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:**.....Corrosive liquid, acidic, inorganic, n.o.s. (Polyaluminum Chloride)  
**HAZARD CLASS:**.....8  
**UN/NA NUMBER:** .....3264  
**PACKAGING GROUP :** .....III



**ENVIRONMENTAL HAZARDS:** .....None  
**TRANSPORT IN BULK:** .....Not applicable  
**SPECIAL PRECAUTIONS:** .....None Assigned

### 15 - REGULATIONS

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200



## Safety Data Sheet

EPA SRA Title III Chemical Listings:

**TSCA (Toxic Substance Control Act) STATUS:** .....All components listed or polymer exempt.

**SECTION 311/312:** .....Immediate (Acute)

**SECTION 302:**.....None

**SECTION 312:**.....None

**SARA SECTION 313:**.....None

**US EPA CERLA:**.....None

<b>16 – OTHER INFORMATION</b>
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### NFPA HAZARD RANKING

HEALTH	FIRE	REACTIVITY	SPECIAL
2	0	0	-

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