

**1 – PRODUCT IDENTIFICATION**

**PRODUCT NAME:**.....**CAPTIFLOC PR 220**  
**PRODUCT NUMBER:** .....CAPTIFLOCPR220  
**DESCRIPTION:**.....Coagulant  
**OTHER MEANS OF IDENTIFICATION:**..... White liquid with no odor  
**RECOMMENDED USE:**.....Processing aid for industrial applications.  
**RESTRICTIONS ON USE:**.....Use only as directed.

**COMPANY:**..... CHEMTRON CORPORATION  
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 St. Charles, MO 63301  
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**EMERGENCY PHONE:** .....(800) 424-9300 (CHEMTREC)  
**REVISION DATE:**.....May 31, 2022

**2 – HAZARDS IDENTIFICATION**

**CLASSIFICATION 29 CFR 1910.1200:** .....This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard.



**GHS SIGNAL WORD:** ..... **Warning**  
**GHS HAZARD STATEMENTS:**.....H315: Causes skin irritation  
 H320: Causes eye irritation  
**GHS PRECAUTIONARY STATEMENTS:**.....P264: Wash hands/skin thoroughly after handling  
 P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P302+P352: IF ON SKIN: Wash with plenty water  
 P303+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 P321: Specific treatment (see First Aid) on this label  
 P337+P313: If eye irritation persists: Get medical advice/attention  
 P362+P364: Take off contaminated clothing and wash it before reuse

**3 – COMPOSITION / INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER
7732-18-5	231-791-2	Water
Proprietary	Proprietary	Proprietary

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

**4 – FIRST-AID MEASURES**

- BREATHING (INHALATION):**...No specific first aid measures are required. If exposed to levels above recommended exposure limits, remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
- SWALLOWING (INGESTION):** No specific first aid measures are required. As a precaution, rinse mouth. Do NOT induce vomiting. If exposed or concerned: get medical advice/attention.
- EYES:**.....Immediately move victim away from source of exposure and into fresh air. If irritation or redness develops, flush eyes with clean water and seek immediate medical attention. For direct contact, immediately hold eyelids apart and flush the affected eye(s) with clean water for at least 20 minutes. Seek immediate medical attention.
- SKIN (DERMAL):** .....In case of contact, wash skin and/or hair thoroughly with soap and water. Take off contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.
- ACUTE SYMPTOMS:**.....None under normal use.
- DELAYED EFFECTS:** .....None under normal use.

**5 – FIRE-FIGHTING MEASURES**

- UNSUITABLE EXTINGUISHING MEDIA:** .....Use extinguishing media suitable for surrounding area if this material is involved in a fire (e.g., fog, foam, dry chemical, or carbon dioxide). See also **Section 10**.
- SPECIFIC HAZARDS DURING FIREFIGHTING:**...See **Section 10**
- SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:** None known. This material is non-combustible.

**6 – ACCIDENTAL RELEASE MEASURES**

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:** Observe personal protective equipment (PPE) advice in Section 8.
- ENVIRONMENTAL PRECAUTIONS:** .....Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water (surface water or groundwater). See also Section 12.
- METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:** Stop the source of the release if you can do it without risk. Eliminate all ignition sources. Spilled material should be swept up as soon as possible, observing precautions in Section 8. Where feasible and appropriate, remove contaminated soil. Secure load if safe to do so. For disposal, see Section 13.

**7 – HANDLING and STORAGE**

- STORAGE:** .....Store in original container in a cool, dry, well-ventilated area.
- HANDLING:**.....Wash hands/skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE LIMITS:** .....None

**WORK/HYGIENIC PRACTICES:** Consider the potential hazards of this material, applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting PPE. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the PPE listed below is recommended.

**VENTILATION:** .....Ensure adequate ventilation. Additional ventilation or exhaust systems may be required.

**OTHER EQUIPMENT:**.....The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

**EYE/FACE PROTECTION:**.....Wear safety glasses with side shields, chemical goggles, or complete facial protection to safeguard against potential eye contact, irritation, or injury.

**HANDS/SKIN PROTECTION:** The use of gloves that are impermeable to the specific material handled or other impervious clothing is advised to prevent skin contact, possible irritation, and skin damage. Selection of protective clothing may include work gloves, apron, boots, and complete facial protection depending on operations conducted.

**RESPIRATORY PROTECTION:**.....If exposure to nuisance levels of airborne material occurs when working with this material, wear a NIOSH/MSHA approved respirator that provides protection, such as: High Efficiency Particulate Air (HEPA) respirator and filter cartridge. Use a positive pressure air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. Respiratory protection program (e.g., OSHA's 29 CFR 1910.134 and ANSI Z88.2) requirements must be followed whenever workplace conditions warrant a respirator's use.

**9 – PHYSICAL / CHEMICAL PROPERTIES**

**PHYSICAL STATE:** ..... Liquid

**COLOR:**.....White to Amber

**ODOR/ODOR THRESHOLD:** ....Not available

**PARTITION COEFFICIENT N-OCTANOL/WATER:** Not available

**AUTO-IGNITION TEMPERATURE:** .....Not available

**PH (AS SUPPLIED):**.....3.0-4.0

**DECOMPOSITION TEMPERATURE:**.....Not available

**MELTING/FREEZING POINT:**:-40°F

**WATER SOLUBILITY:**.....High

**VISCOSITY:**.....Not available

**BOILING POINT/RANGE:** .....Not available

**MOLECULAR WEIGHT:** .....Not available

**FLASH POINT:**.....Not available

**TASTE:** .....Not available

**EVAPORATION RATE:**.....Not available

**EXPLOSIVE PROPERTIES:** .....Not available

**FLAMMABILITY:** .....Non-flammable

**OXIDIZING PROPERTIES:** .....Not available

**UPPER/LOWER EXPLOSIVE LIMITS:**.....Not available

**SURFACE TENSION:**.....Not available

**VAPOR PRESSURE:**.....Not available



## Safety Data Sheet

Product: Captifloc PR 220

**VOLATILE COMPONENT:** .....Not available  
**WATER SOLUBILITY:**.....High  
**GAS GROUP:**.....Not available  
**VAPOR DENSITY (AIR = 1):** .....Not available  
**PH (AS SOLUTION):** .....Not available  
**SPECIFIC GRAVITY (WATER = 1):** ..... 1.4-1.6 g/cm<sup>3</sup> (solution) @ 20°C (68°F)  
**Voc:**.....Not available  
**RELATIVE DENSITY:** .....Not available  
**PARTICLE SIZE RANGE:** .....Not available

### 10 – STABILITY and REACTIVITY

**REACTIVITY:** .....This material is considered non-reactive under normal storage and handling conditions.  
**CHEMICAL STABILITY:** .....This material is considered stable under normal storage and handling conditions.  
**POSSIBILITY OF HAZARDOUS REACTIONS:**.....Hazardous polymerization will not occur.  
**CONDITIONS TO AVOID:**.....None known  
**INCOMPATIBLE MATERIALS:**.....Incompatible with oxidizing reagents, can generate chlorine gas.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** See above

### 11 – TOXICOLOGICAL INFORMATION

**ACUTE ORAL TOXICITY:** .....Based on the available data, the material does not require classification for acute oral toxicity  
**ACUTE DERMAL TOXICITY:**...Based on available data, the material does not require classification for acute dermal toxicity  
**ACUTE INHALATION TOXICITY:** .....Based on available data, the material does not require classification for acute inhalation toxicity  
**SKIN CORROSION/IRRITATION:**.....Causes skin irritation (Category 2)  
**SERIOUS EYE DAMAGE/IRRITATION:** .....Causes eye irritation (Category 2B)  
**SKIN SENSITIZATION:** .....Based on available data, the material does not require classification for skin sensitization  
**RESPIRATORY SENSITIZATION:** .....Based on available data, the material does not require classification for respiratory sensitization  
**GERM CELL MUTAGENICITY:** .....Based on negative in vitro mutagenicity studies, the material does not require classification for mutagenicity  
**CARCINOGENICITY:** .....The material is not classified by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), and the American Conference of Government Industrial Hygienists (ACGIH)  
**DEVELOPMENTAL/REPRODUCTIVE TOXICITY:** Based on available data, the material does not require classification for developmental/reproductive effects  
**SPECIFIC TARGET ORGAN TOXICITY (STOT) SINGLE EXPOSURE:** Based on available data, the material does not require classification for STOT – single exposure.  
**SPECIFIC TARGET ORGAN TOXICITY (STOT) REPEATED EXPOSURE:** Based on available data, the material does not require classification for STOT – repeated exposure  
**ASPIRATION HAZARD:** .....Based on available data, the material does not require classification for aspiration hazard

**12 – ECOLOGICAL INFORMATION**

**ENVIRONMENTAL FATE AND DISTRIBUTION:**

PRODUCT	DATA
Rare Earth Sale	LC50 Flathead Minnow 96 hrs >1000 mg/L
	EC50 Ceriodaphnia dubia 48 hrs >1000 mg/L

**PERSISTENCE AND DEGRADABILITY:** .....This inert mineral material is not expected to be readily biodegradable. Due to the inorganic nature of the material, biodegradation is not applicable; study is scientifically unjustified.

**BIOACCUMULATIVE POTENTIAL:** .....No data available

**MOBILITY IN SOIL:** .....No data available

**OTHER ADVERSE EFFECTS:** ..No data available

**13 –DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** .....Do not allow wash water from cleaning or process equipment to enter drains. Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by federal and local laws and should be fully characterized for toxicity prior to disposal (40 CFR 261). Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. Chemical additions, processing or otherwise altering this material may make waste management information presented in the safety data sheet (SDS) incomplete.

**14 – TRANSPORTATION INFORMATION**

**PROPER SHIPPING NAME:**.....Not Regulated

**15 - REGULATIONS**

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

EPA SRA Title III Chemical Listings:

**TSCA STATUS:** .....All ingredients listed or exempt.

**SECTION 311/312:** .....Not Hazardous.

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

**16 – OTHER INFORMATION**

**NFPA HAZARD RANKING**

HEALTH	FIRE	REACTIVITY	SPECIAL
1	0	0	

**HMIS HAZARD RANKING**

<b>HEALTH</b>	<b>FIRE</b>	<b>REACTIVITY</b>	<b>PPE</b>
1	0	0	

This data is offered in good faith and believed to be accurate, but it is for the users to satisfy themselves of the product suitability for their own purpose. There is no warranty expressed or implied. The recommended hygiene and safe handling procedures are believed to be generally applicable.