



# SAFETY DATA SHEET

## Section 1. Chemical Product and Company Identification

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|  |                                       |
|--|---------------------------------------|
| <b>Product Name:</b>                     | FlexPro® Plus CL5792                  |
| <b>Product Use:</b>                      | Cooling Water Treatment               |
| <b>Supplier's Name:</b>                  | ChemTreat, Inc.                       |
| <b>Emergency Telephone Number:</b>       | (800)424-9300 (Toll Free)             |
| <b>Address (Corporate Headquarters):</b> | 5640 Cox Road<br>Glen Allen, VA 23060 |
| <b>Telephone Number for Information:</b> | (800)648-4579                         |
| <b>Date of SDS:</b>                      | March 20, 2020                        |
| <b>Revision Date:</b>                    | March 20, 2020                        |
| <b>Revision Number:</b>                  | 20032001AN                            |

## Section 2. Hazard(s) Identification

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**Signal Word:** DANGER

**GHS Classification(s):** Skin corrosion/irritation – Category 1b  
Eye damage/irritation – Category 1  
Acute Toxicity Oral – Category 4  
Acute Toxicity Inhalation – Category 4  
Corrosive to Metals – Category 1

**Hazard Statement(s):** H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H302 Harmful if swallowed.  
H332 Harmful if inhaled.  
H290 May be corrosive to metals.

**Precautionary Statement(s):**

**Prevention:** P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink, or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.



**Response:**

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P301 + 330 + 331 IF SWALLOWED: Rinse mouth.  
Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair):  
Remove/take off immediately all contaminated clothing.  
Rinse skin with water/shower  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P363 Wash contaminated clothing before reuse.

**Storage:**

P405 Store locked up.  
P406 Store in a corrosive resistant container with a resistant inner liner.

**Disposal:**

P501 Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.

**System of Classification Used:**

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Hazards Not Otherwise Classified:**

None.

### Section 3. Composition/Hazardous Ingredients

| Component                       | CAS Registry # | Wt. %   |
|---------------------------------|----------------|---------|
| Chlorotolyltriazole sodium salt | 202420-04-0    | 1 - 5   |
| Sodium hydroxide                | 1310-73-2      | 10 - 30 |

**Comments**

If chemical identity and/or exact percentage of composition has been withheld, this information is considered to be a trade secret.

## Section 4. First Aid Measures

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|  |  |
|--|--|
| <b>Inhalation:</b>   | Remove to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.   |
| <b>Eyes:</b>   | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.           |
| <b>Skin:</b>   | Immediately remove/take off all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before re-use. Immediately call a poison center or doctor/physician. |
| <b>Ingestion:</b>  | DO NOT INDUCE VOMITING. Rinse mouth. Call a POISON CENTER or doctor/physician.   |
| <b>Most Important Symptoms:</b>  | N/D  |
| <b>Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary:</b> | N/A  |

## Section 5. Fire Fighting Measures

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|  |  |
|--|--|
| <b>Flammability of the Product:</b>                | Not flammable.   |
| <b>Suitable Extinguishing Media:</b>               | Use extinguishing media suitable to surrounding fire.  |
| <b>Specific Hazards Arising from the Chemical:</b> | Containers exposed in a fire should be cooled with water to prevent vapor pressure build-up leading to rupture.                                    |
| <b>Protective Equipment:</b>                       | If product is involved in a fire, wear full protective clothing including a positive-pressure, NIOSH approved, self-contained breathing apparatus. |

## Section 6. Accidental Release Measures

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|                                   |  |
|-----------------------------------|--|
| <b>Personal Precautions:</b>      | Use appropriate Personal Protective Equipment (PPE).   |
| <b>Environmental Precautions:</b> | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.   |
| <b>Methods for Cleaning up:</b>   | Contain and/or absorb spill with inert material then place in suitable container.  |
| <b>Other Statements:</b>          | If RQ (Reportable Quantity) is exceeded, report to National Spill Response Office at 1-800-424-8802.<br>Reportable Quantity of the product is 687 Gal. |

## Section 7. Handling and Storage

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|                  |  |
|------------------|--|
| <b>Handling:</b> | Wear appropriate Personal Protective Equipment (PPE) when handling this product. Do not get in eyes, or on skin and clothing. Wash thoroughly after handling. Do not ingest. Avoid breathing vapors, mist or dust.   |
| <b>Storage:</b>  | Store away from incompatible materials (see Section 10). Store at ambient temperatures. Keep container securely closed when not in use. Label precautions also apply to empty container. Recondition or dispose of empty containers in accordance with government regulations. For Industrial use only.<br>Store above Freeze Point. |

## Section 8. Exposure Controls/Personal Protection

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### Exposure Limits

| Component                       | Source    | Exposure Limits             |
|---------------------------------|-----------|-----------------------------|
| Chlorotolyltriazole sodium salt | N/E       | N/E                         |
| Sodium hydroxide                | ACGIH TLV | 2 mg/m <sup>3</sup> Ceiling |
|                                 | OSHA PEL  | 2 mg/m <sup>3</sup> TWA     |

|                              |  |
|------------------------------|--|
| <b>Engineering Controls:</b> | Use only with adequate ventilation. The use of local ventilation is recommended to control emission near the source. |
|------------------------------|--|

## Personal Protection

|                     |  |
|---------------------|--|
| <b>Eyes:</b>        | Wear chemical splash goggles or safety glasses with full-face shield. Maintain eyewash fountain in work area.          |
| <b>Skin:</b>        | Maintain quick-drench facilities in work area.<br>Wear appropriate chemical resistant gloves.                          |
| <b>Respiratory:</b> | If misting occurs, wear a NIOSH-approved respirator with Organic Vapor Cartridges, in accordance with 29 CFR 1910.134. |

## Section 9. Physical and Chemical Properties

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|   |                       |
|---|-----------------------|
| <b>Physical State and Appearance:</b>           | Liquid, Brown, Opaque |
| <b>Specific Gravity:</b>                        | 1.291 @ 20°C          |
| <b>pH:</b>                                      | 13.6 @ 20°C, 100.0%   |
| <b>Freezing Point:</b>                          | 6.4°F                 |
| <b>Flash Point:</b>                             | N/A                   |
| <b>Odor:</b>                                    | Mild                  |
| <b>Melting Point:</b>                           | N/D                   |
| <b>Initial Boiling Point and Boiling Range:</b> | N/D                   |
| <b>Solubility in Water:</b>                     | N/D                   |
| <b>Evaporation Rate:</b>                        | N/A                   |
| <b>Vapor Density:</b>                           | N/D                   |
| <b>Molecular Weight:</b>                        | N/D                   |
| <b>Viscosity:</b>                               | <100 CPS @ 20°C       |
| <b>Flammability (solid, gas):</b>               | N/D                   |
| <b>Flammable Limits:</b>                        | N/A                   |
| <b>Autoignition Temperature:</b>                | N/A                   |
| <b>Density:</b>                                 | 10.77 LB/GA           |
| <b>Vapor Pressure:</b>                          | N/D                   |
| <b>% VOC:</b>                                   | N/D                   |
| <b>Odor Threshold</b>                           | N/D                   |
| <b>n-octanol Partition Coefficient</b>          | N/D                   |
| <b>Decomposition Temperature</b>                | N/D                   |

## Section 10. Stability and Reactivity

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|   |  |
|---|--|
| <b>Chemical Stability:</b>                      | Stable at normal temperatures and pressures.                               |
| <b>Incompatibility with Various Substances:</b> | Strong acids, Strong oxidizers, Metals or metal oxides.                    |
| <b>Hazardous Decomposition Products:</b>        | Oxides of carbon, Oxides of nitrogen, Hydrogen chloride, Oxides of sodium. |
| <b>Possibility of Hazardous Reactions:</b>      | None known.  |
| <b>Reactivity:</b>                              | N/D  |
| <b>Conditions To Avoid:</b>                     | N/D  |

## Section 11. Toxicological Information

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### Acute Toxicity

| Chemical Name        | Exposure | Type of Effect | Concentration | Species |
|----------------------|----------|----------------|---------------|---------|
| Sodium hydroxide     | Oral     | LD50           | 300 MG/KG     | Rat     |
|                      | Dermal   | LD50           | 1350 MG/KG    | Rabbit  |
| FlexPro® Plus CL5792 | N/D      | N/D            | N/D           | N/D     |

### Carcinogenicity Category

| Component                       | Source | Code | Brief Description |
|---------------------------------|--------|------|-------------------|
| Chlorotolyltriazole sodium salt | N/E    | N/E  | N/E               |
| Sodium hydroxide                | N/E    | N/E  | N/E               |

**Likely Routes of Exposure:** N/D

### Symptoms

|                      |     |
|----------------------|-----|
| <b>Inhalation:</b>   | N/D |
| <b>Eye Contact:</b>  | N/D |
| <b>Skin Contact:</b> | N/D |
| <b>Ingestion:</b>    | N/D |



**Skin Corrosion/Irritation:** N/D  
**Serious Eye Damage/Eye Irritation:** N/D  
**Sensitization:** N/D  
**Germ Cell Mutagenicity:** N/D  
**Reproductive/Developmental Toxicity:** N/D  
**Specific Target Organ Toxicity**  
**Single Exposure:** N/D  
**Repeated Exposure:** N/D  
**Aspiration Hazard:** N/D  
**Comments:** None.

## Section 12. Ecological Information

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### Ecotoxicity

| Species            | Duration | Type of Effect | Test Results |
|--------------------|----------|----------------|--------------|
| Fathead Minnow     | 96h      | LC50           | 218 mg/l     |
| Ceriodaphnia dubia | 48h      | LC50           | 1320 mg/l    |

**Persistence and Biodegradability:** N/D  
**Bioaccumulative Potential:** N/D  
**Mobility In Soil:** N/D  
**Other Adverse Effects:** N/D  
**Comments:** None.

### Section 13. Disposal Considerations

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Dispose of in accordance with local, state and federal regulations.  
EPA corrosivity characteristic hazardous waste D002 when disposed of in the original product form.

### Section 14. Transport Information

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| Controlling Regulation | UN/NA#:   | Proper Shipping Name:     | Technical Name:   | Hazard Class: | Packing Group: |
|------------------------|-----------|---------------------------|---|---------------|----------------|
| DOT                    | UN1760    | CORROSIVE LIQUIDS, N.O.S. | (SODIUM HYDROXIDE AND HALOGENATED AROMATIC HETEROCYCLE SODIUM SALT) | 8             | PGII           |
| Over 687 GA            | RQ UN1760 | CORROSIVE LIQUIDS, N.O.S. | (SODIUM HYDROXIDE AND HALOGENATED AROMATIC HETEROCYCLE SODIUM SALT) | 8             | PGII           |
| IMDG                   | UN1760    | CORROSIVE LIQUIDS, N.O.S. | (SODIUM HYDROXIDE AND HALOGENATED AROMATIC HETEROCYCLE SODIUM SALT) | 8             | PGII           |
| ICAO                   | UN1760    | CORROSIVE LIQUIDS, N.O.S. | (SODIUM HYDROXIDE AND HALOGENATED AROMATIC HETEROCYCLE SODIUM SALT) | 8             | PGII           |

Note: N/A

### Section 15. Regulatory Information

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#### Inventory Status

United States (TSCA):  
Canada (DSL/NDSL):

All ingredients listed or exempt.  
All ingredients listed or exempt.





**Federal Regulations**

**SARA Title III Rules**

**Sections 311/312 Hazard Classes**

|                               |     |
|-------------------------------|-----|
| <b>Fire Hazard:</b>           | No  |
| <b>Reactive Hazard:</b>       | No  |
| <b>Release of Pressure:</b>   | No  |
| <b>Acute Health Hazard:</b>   | Yes |
| <b>Chronic Health Hazard:</b> | No  |

**Other Sections**

| Component                       | Section 313 Toxic Chemical | Section 302 EHS TPQ | CERCLA RQ |
|---------------------------------|----------------------------|---------------------|-----------|
| Chlorotolyltriazole sodium salt | N/A                        | N/A                 | N/A       |
| Sodium hydroxide                | N/A                        | N/A                 | 1000      |

**Comments:** None.

**State Regulations**

**California Proposition 65:** None known.

**Special Regulations**

| Component                       | States             |
|---------------------------------|--------------------|
| Chlorotolyltriazole sodium salt | None.              |
| Sodium hydroxide                | MA, MN, NY, PA, WA |

**Compliance Information**

|                          |  |
|--------------------------|--|
| <b>NSF:</b>              | N/A  |
| <b>Food Regulations:</b> | N/A  |
| <b>KOSHER:</b>           | This product has not been evaluated for Kosher approval. |
| <b>Halal:</b>            | This product has not been evaluated for Halal approval.  |
| <b>FIFRA:</b>            | N/A  |
| <b>Other:</b>            | None   |

**Comments:** None.

## Section 16. Other Information

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### HMIS Hazard Rating

|                  |   |
|------------------|---|
| Health:          | 3 |
| Flammability:    | 1 |
| Physical Hazard: | 0 |
| PPE:             | X |

#### Notes:

The PPE rating depends on circumstances of use. See Section 8 for recommended PPE.

The Hazardous Material Information System (HMIS) is a voluntary, subjective alpha-numeric symbolic system for recommending hazard risk and personal protection equipment information. It is a subjective rating system based on the evaluator's understanding of the chemical associated risks. The end-user must determine if the code is appropriate for their use.

### Abbreviations

| Abbreviation | Definition  |
|--------------|---|
| <            | Less Than   |
| >            | Greater Than  |
| ACGIH        | American Conference of Governmental Industrial Hygienists |
| EHS          | Environmental Health and Safety Dept                      |
| N/A          | Not Applicable  |
| N/D          | Not Determined  |
| N/E          | Not Established   |
| OSHA         | Occupational Health and Safety Dept                       |
| PEL          | Personal Exposure Limit                                   |
| STEL         | Short Term Exposure Limit                                 |
| TLV          | Threshold Limit Value                                     |
| TWA          | Time Weight Average                                       |
| UNK          | Unknown   |

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## ***Disclaimer***

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