



Section 1 - Identification

Product Name: CPL 2312
Alternate Name: Phosphate Chelant Blend
Recommended Use: Boiler water treatment
Manufacturer: Chem Pro Laboratory, Inc., 941 W 190th St, Gardena CA 90248, 310-532-8611
ChemTrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 - Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

WARNING



Causes serious eye irritation

Wash contacted areas thoroughly after handling.

Wear eye and face protection.

IF EYE IRRITATION PERSISTS: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Section 3 - Composition/information on ingredients

| Chemical Name | CAS Number | Percent |
|--|-------------|---------|
| sodium hexametaphosphate (SHMP) | 10124-56-8 | 5-10% |
| polyacrylate terpolymer | proprietary | 1-5% |
| phosphinocarboxylic acid homopolymer | proprietary | 1-5% |
| tetrasodium ethylenediaminetetraacetate (EDTA) | 64-02-8 | <1% |
| sodium hydroxide | 1310-73-2 | <1% |

Section 4 - First-aid measures

Emergency and First Aid Procedures:

Inhalation Remove subject to fresh air.
Eye Contact Flush eyes with clean water for 15 minutes. If irritation persists, seek medical attention.
Skin Contact Flush contacted area with water.
Ingestion Drink large amounts of water. Seek medical attention.

Symptoms of Overexposure:

Inhalation May cause irritation to mucous membranes.
Contact with Skin or Eyes May cause irritation.
Absorption Through Skin May cause irritation.
Ingestion May cause irritation to mucous membranes and stomach.



Section 5 - Fire-fighting measures

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| Extinguishing Media | water spray, foam, or dry chemical |
| Fire Fighting Procedure | Wear full protective clothing and self contained breathing apparatus. |
| Unusual Fire/Explosion Hazard | Thermal decomposition may yield oxides of nitrogen (NOX) and carbon. |
| Hazardous Combustion Products | Substance is noncombustible |

Section 6 - Accidental release measures

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| Spill Response Procedure | Dilute with water and flush to waste. |
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Section 7 - Handling and storage

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| Handling Precautions | Protect containers from extreme temperature conditions. |
| Storage Conditions | Store in a cool dry place. Keep container tightly sealed in a dry and ventilated area. Do not store unopened containers in direct sunlight for extended periods. |

Section 8 - Exposure controls/personal protection

| Chemical Name | OSHA PEL | ACGIH TLV |
|--|-----------------|------------------|
| sodium hexametaphosphate (SHMP) | not listed | not listed |
| polyacrylate terpolymer | not listed | not listed |
| phosphinocarboxylic acid homopolymer | no data | no data |
| tetrasodium ethylenediaminetetraacetate (EDTA) | not listed | not listed |
| sodium hydroxide | 2 mg/m3 TWA | 2 mg/m3 (C) |

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| Ventilation | Mechanical (general) exhaust required. |
| Respiratory Protection | Not necessary under normal use conditions. |
| Protective Gloves | Impermeable gloves. |
| Eye Protection | Splash proof goggles. |
| Other Protective Equipment | Impermeable boots and coveralls or rubber apron. |
| Work / Hygienic Practices | Handle with care. Avoid eye and skin contact. |

Section 9 - Physical and chemical properties

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| Appearance | Yellow liquid | Vapor Pressure @20°C | Like Water |
| Odor | Organic odor | Vapor Density | Like Water |
| Odor Threshold | Not Determined | Specific Gravity | 1.05-1.08 |
| pH | 8.0-9.5 | Solubility in Water | Complete |
| Melting Point, °F | N/A | Partition Coefficient | Not Determined |
| Boiling Point, °F | 212 deg F | Auto Ignition Temp, °F | Non Flammable |
| Flash Point, °F | Not Flammable | Decomposition Temp, °F | Not Determined |
| Evaporation Rate | Like Water | Viscosity | Not Determined |
| Flammability Limits | N/A | Percent Volatile | N/A |



Section 10 - Stability and reactivity

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| Reactivity | in water: N/A |
| Stability | stable under normal conditions |
| Conditions to Avoid | Under normal conditions the material is stable. |
| Incompatible Materials | Strong oxidizing agents. Strong acids. |
| Hazardous Decomposition Products | Thermal decomposition may yield oxides of nitrogen (NOX) and carbon. |
| Hazardous Polymerization | Hazardous polymerization will not occur. |

Section 11 - Toxicological information

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| Routes of Entry | inhalation, skin or eye contact, ingestion |
| Acute Exposure Symptoms | Not established |
| Chronic Exposure Effects | Not established |
| Medical Conditions Aggravated By Exposure | N/A |

Acute Toxicity:

| Chemical Name | CAS Number | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|-------------------|------------------|--------------------|------------------------|
| sodium hexametaphosphate (SHMP) | 10124-56-8 | 6200 mg/kg | no data | no data |
| polyacrylate terpolymer | proprietary | no data | no data | no data |
| phosphinocarboxylic acid homopolymer | proprietary | >5000 mg/kg | no data | no data |
| tetrasodium ethylenediaminetetraacetate (EDTA) | 64-02-8 | 3030 mg/kg | no data | no data |
| sodium hydroxide | 1310-73-2 | 300-500 mg/kg | >2000 mg/kg | no data |

Carcinogenicity:

Ingredients are on the following lists of suspected or known carcinogens:

| Chemical Name | CAS Number: | IARC | NTP | OSHA |
|--|--------------------|-------------|------------|-------------|
| sodium hexametaphosphate (SHMP) | 10124-56-8 | No | No | No |
| polyacrylate terpolymer | proprietary | No | No | No |
| phosphinocarboxylic acid homopolymer | proprietary | No | No | No |
| tetrasodium ethylenediaminetetraacetate (EDTA) | 64-02-8 | No | No | No |
| sodium hydroxide | 1310-73-2 | No | No | No |

Section 12 - Ecological information

Overview: No data

Section 13 - Disposal considerations

Preparing Waste For Disposal Dispose of in accordance with local, state, and federal regulations for liquid and solid wastes.

Section 14 - Transport information

DOT Shipping Not DOT Regulated

Section 15 - Regulatory information

California Proposition 65 This product does not contain chemicals listed by California proposition 65.



HMIS Ratings

Health: 1, Flammability: 0, Reactivity: 0

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| Section 16 - Other information |
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Preparer Keith Johnson

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