



## Section 1 - Identification

**Product Name:** CPL 3044  
**Alternate Name:** Acidic Treatment With Organic Corrosion Inhibitor and Terpolymer  
**Recommended Use:** Cooling tower 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;

### DANGER



**Fatal if inhaled**

**May cause cancer**

**Causes severe skin burns and serious eye damage**

Do not breathe dust/fume/gas/mist/vapors/spray.

Do not breathe dusts or mists.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Use only outdoors or in a well-ventilated area.

Wash contacted areas thoroughly after handling.

Wear eye and face protection, protective gloves and clothing, and respiratory protection.

IF EXPOSED OR CONCERNED: 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. Immediately call a poison center or doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash skin with plenty of water. Wash contaminated clothing before reuse.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Store in a well-ventilated place. Keep container tightly closed, locked up.

Dispose of contents/container in accordance with federal, state, and local regulations.

## Section 3 - Composition/information on ingredients

Chemical Name	CAS Number	Percent
sulfuric acid	7664-93-9	30-40%
aminotri(methylenephosphonic acid) (ATMP)	6419-19-8	1-5%
polyacrylate terpolymer	proprietary	1-5%
maleic acid copolymer	113221-69-5	1-5%
sodium polyacrylate	9003-04-7	1-5%
hydroxyphosphonoacetic acid (HPAA)	23783-26-8	<1%
2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC)	37971-36-1	<1%



#### Section 4 - First-aid measures

##### Emergency and First Aid Procedures:

<b>Inhalation</b>	On over-exposure, remove to fresh air; get medical attention.
<b>Eye Contact</b>	Flush with large quantities of water for at least 20 minutes, lifting upper and lower lids occasionally. Contact a physician.
<b>Skin Contact</b>	Flush thoroughly with water; wash with soap/water while removing all contaminated clothing and shoes. Contact a physician.
<b>Ingestion</b>	Do not induce vomiting; dilute by giving milk or water if conscious. Get medical attention immediately.

##### Symptoms of Overexposure:

<b>Inhalation</b>	Inhalation of mist can be injurious to lungs.
<b>Contact with Skin or Eyes</b>	Skin and eye irritation.
<b>Absorption Through Skin</b>	Skin irritation
<b>Ingestion</b>	Burning. LD50 for sulfuric acid in rates 2.14 g/kg.

#### Section 5 - Fire-fighting measures

<b>Extinguishing Media</b>	dry chemical
<b>Fire Fighting Procedure</b>	H <sub>2</sub> SO <sub>3</sub> can be released at high temperatures. Use respirator approved by NIOSH.
<b>Unusual Fire/Explosion Hazard</b>	Reacts with most metals to form hydrogen gas which can form explosive mixture with air.
<b>Hazardous Combustion Products</b>	Substance is noncombustible

#### Section 6 - Accidental release measures

<b>Spill Response Procedure</b>	Flush with plenty of water and neutralize acid with soda ash, lime or bicarbonate of soda. Note: Neutralization will release CO <sub>2</sub> gas requiring adequate ventilation.
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#### Section 7 - Handling and storage

<b>Handling Precautions</b>	Avoid all handling and storage procedures that may result in spills, leaks or punctures. Handle and store in areas with unlimited water supply.
<b>Storage Conditions</b>	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

<b>Chemical Name</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
sulfuric acid	1 mg/m <sup>3</sup> TWA	0.2 mg/m <sup>3</sup> TWA
aminotri(methylenephosphonic acid) (ATMP)	1 mg/m <sup>3</sup> TWA, 3 mg/m <sup>3</sup> STEL	1 mg/m <sup>3</sup> TWA, 3 mg/m <sup>3</sup> STEL
polyacrylate terpolymer	not listed	not listed
maleic acid copolymer	not listed	not listed
sodium polyacrylate	not listed	not listed
hydroxyphosphonoacetic acid (HPAA)	1 mg/m <sup>3</sup> TWA, 3 mg/m <sup>3</sup> STEL	1 mg/m <sup>3</sup> TWA, 3 mg/m <sup>3</sup> STEL
2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC)	not listed	not listed
<b>Ventilation</b>	Mechanical (general) exhaust required.	



<b>Respiratory Protection</b>	The use of respiratory protection depends on vapor concentration above the time-weighted TLV; use NIOSH approved cartridge respirator or gas mask.
<b>Protective Gloves</b>	Rubber or impermeable gloves.
<b>Eye Protection</b>	Safety glasses, chemical goggles and or face shield.
<b>Other Protective Equipment</b>	Impermeable aprons are advised. The availability of eye washes and safety showers in work area is recommended.
<b>Work / Hygienic Practices</b>	Handle in accordance with good industrial hygiene and safety practices.

### Section 9 - Physical and chemical properties

<b>Appearance</b>	Clear brown liquid	<b>Vapor Pressure @20°C</b>	10mm 18 Deg F
<b>Odor</b>	Odorless	<b>Vapor Density</b>	>1
<b>Odor Threshold</b>	Not Determined	<b>Specific Gravity</b>	1.2
<b>pH</b>	<1.0	<b>Solubility in Water</b>	Complete
<b>Melting Point, °F</b>	30 to 35 Deg F	<b>Partition Coefficient</b>	Not Determined
<b>Boiling Point, °F</b>	200 Deg F	<b>Auto Ignition Temp, °F</b>	Non Flammable
<b>Flash Point, °F</b>	Not Flammable	<b>Decomposition Temp, °F</b>	Not Determined
<b>Evaporation Rate</b>	<1	<b>Viscosity</b>	Not Determined
<b>Flammability Limits</b>	N/A	<b>Percent Volatile</b>	N/A

### Section 10 - Stability and reactivity

<b>Reactivity</b>	in water: N/A
<b>Stability</b>	stable under normal conditions
<b>Conditions to Avoid</b>	Temperatures above 150 Deg F, Base (alkali), nitrites, chlorates and metal powders. Contact with organic substances and metals.
<b>Incompatible Materials</b>	Strong alkali
<b>Hazardous Decomposition Products</b>	Sulfur trioxide gas (SO <sub>3</sub> ) at high temperatures.
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.

### Section 11 - Toxicological information

<b>Routes of Entry</b>	inhalation, skin or eye contact, ingestion
<b>Acute Exposure Symptoms</b>	Respiratory irritation and inflammation.
<b>Chronic Exposure Effects</b>	Lung damage. Dental erosion. Causes severe burns.
<b>Medical Conditions Aggravated By Exposure</b>	N/A

#### Acute Toxicity:

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
sulfuric acid	7664-93-9	2140 mg/kg	no data	0.320 mg/L
aminotri(methylenephosphonic acid) (ATMP)	6419-19-8	no data	no data	no data
polyacrylate terpolymer	proprietary	no data	no data	no data
maleic acid copolymer	113221-69-5	3870 mg/kg	no data	no data
sodium polyacrylate	9003-04-7	>5000 mg/kg	>2000 mg/kg	no data
hydroxyphosphonoacetic acid (HPAA)	23783-26-8	2750	no data	no data
2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC)	37971-36-1	>2000 mg/kg	>2000 mg/kg	no data



**Carcinogenicity:**

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

<b>Chemical Name</b>	<b>CAS Number:</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
sulfuric acid	7664-93-9	Yes	Yes	Yes
aminotri(methylenephosphonic acid) (ATMP)	6419-19-8	No	No	No
polyacrylate terpolymer	proprietary	No	No	No
maleic acid copolymer	113221-69-5	No	No	No
sodium polyacrylate	9003-04-7	No	No	No
hydroxyphosphonoacetic acid (HPAA)	23783-26-8	No	No	No
2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC)	37971-36-1	No	No	No

**Section 12 - Ecological information**

**Overview:** No data

**Section 13 - Disposal considerations**

**Preparing Waste For Disposal** Neutralize acid with alkali and flush to sewer with plenty of water if permitted by local and state regulations.

**Section 14 - Transport information**

**DOT Shipping** UN2796, SULFURIC ACID, SOLUTION, 8, PG II

**Section 15 - Regulatory information**

**California Proposition 65** This product contains chemicals listed by California proposition 65.

**HMIS Ratings** Health: 3, Flammability: 0, Reactivity: 0

**Section 16 - Other information**

**Date Prepared** 5/22/2015

**Preparer** Michael Bortnik, Keith Johnson

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