



## Section 1 - Identification

**Product Name:** CPL 3050  
**Alternate Name:** All Organic Blend With Acid  
**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	10-20%
polyamine/amine phosphonate	proprietary	5-10%
polyacrylicmaleic polymer	29132-58-9	1-5%
2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC)	37971-36-1	1-5%
polyethylene glycol	25322-68-3	<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 rats 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>4</sub> or 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.
---------------------------------	--

#### 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
polyamine/amine phosphonate	not listed	not listed
polyacrylicmaleic polymer	not listed	not listed
2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC)	not listed	not listed
polyethylene glycol	10 mg/m <sup>3</sup> TWA	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 colorless liquid.	<b>Vapor Pressure @20°C</b>	10 mm @ 18 deg F
<b>Odor</b>	Odorless	<b>Vapor Density</b>	>1
<b>Odor Threshold</b>	Not Determined	<b>Specific Gravity</b>	1.12
<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, carbides, chlorates and metal powders. Contact with organic substances and metals
<b>Incompatible Materials</b>	Strong alkali
<b>Hazardous Decomposition Products</b>	Sulfur trioxide gas (SO3) 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:**

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
sulfuric acid	7664-93-9	2140 mg/kg	no data	0.320 mg/L
polyamine/amine phosphonate	proprietary	no data	no data	no data
polyacrylicmaleic polymer	29132-58-9	3874 mg/kg	no data	no data
2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC)	37971-36-1	>2000 mg/kg	>2000 mg/kg	no data
polyethylene glycol	25322-68-3	>10000 mg/kg	>20000 mg/kg	no data

**Carcinogenicity:**

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

Chemical Name	CAS Number:	IARC	NTP	OSHA
sulfuric acid	7664-93-9	Yes	Yes	Yes



polyamine/amine phosphonate	proprietary	No	No	No
polyacrylicmaleic polymer	29132-58-9	No	No	No
2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC)	37971-36-1	No	No	No
polyethylene glycol	25322-68-3	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** UN1830, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., 8, PG II, (SULFURIC ACID)

### Section 15 - Regulatory information

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

**HMIS Ratings** Health: 2, Flammability: 0, Reactivity: 0

### Section 16 - Other information

**Date Prepared** 5/22/2015

**Preparer** Michael Bortnik, Keith Johnson

The data in this Safety Data Sheet is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, Chem Pro Laboratory, Inc. **MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON.** User should have relative technical skills and satisfy himself that he has all current data relevant to his particular product and its applications.