



Section 1 - Identification

Product Name: CPL 3040
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



Toxic if inhaled

May cause cancer

Causes severe skin burns and serious eye damage

Avoid breathing 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, and protective gloves and clothing.

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	5-10%
aminotri(methylenephosphonic acid) (ATMP)	6419-19-8	5-10%
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	1-5%
2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC)	37971-36-1	<1%
tolyltriazole sodium salt	64665-57-2	<1%



Section 4 - First-aid measures

Emergency and First Aid Procedures:

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

Symptoms of Overexposure:

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

Section 5 - Fire-fighting measures

Extinguishing Media	dry chemical
Fire Fighting Procedure	H ₂ SO ₄ or SO ₃ can be released at high temperatures. Use respirator approved by NIOSH.
Unusual Fire/Explosion Hazard	Reacts with most metals to form hydrogen gas which can form explosive mixture with air.
Hazardous Combustion Products	Substance is noncombustible

Section 6 - Accidental release measures

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

Handling Precautions	Avoid all handling and storage procedures that may result in spills, leaks or punctures. Handle and store in areas with unlimited water supply.
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
sulfuric acid	1 mg/m ³ TWA	0.2 mg/m ³ TWA
aminotri(methylenephosphonic acid) (ATMP)	1 mg/m ³ TWA, 3 mg/m ³ STEL	1 mg/m ³ TWA, 3 mg/m ³ 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 ³ TWA, 3 mg/m ³ STEL	1 mg/m ³ TWA, 3 mg/m ³ STEL
2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC)	not listed	not listed
tolyltriazole sodium salt	not listed	not listed



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

Section 9 - Physical and chemical properties

Appearance	Clear brown liquid.	Vapor Pressure @20°C	10 mm @ 18 deg F
Odor	Odorless	Vapor Density	>1
Odor Threshold	Not Determined	Specific Gravity	1.14
pH	<1.0	Solubility in Water	Complete
Melting Point, °F	30 to 35 deg F	Partition Coefficient	Not Determined
Boiling Point, °F	200 deg F	Auto Ignition Temp, °F	Non Flammable
Flash Point, °F	Not Flammable	Decomposition Temp, °F	Not Determined
Evaporation Rate	<1	Viscosity	Not Determined
Flammability Limits	N/A	Percent Volatile	N/A

Section 10 - Stability and reactivity

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

Section 11 - Toxicological information

Routes of Entry	inhalation, skin or eye contact, ingestion
Acute Exposure Symptoms	Respiratory irritation and inflammation.
Chronic Exposure Effects	Lung damage. Dental erosion. Causes severe burns.
Medical Conditions Aggravated By Exposure	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
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
tolyltriazole sodium salt	64665-57-2	1980 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
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
tolyltriazole sodium salt	64665-57-2	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

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