Section 1 - Identification

Product Name:	CPL 3142
Alternate Name:	Molybdate Inhibitor With 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

Harmful if swallowed
Causes severe skin burns and serious eye damage
Do not breathe dusts or mists.
Do not eat, drink or smoke when using this product.
Wash contacted areas thoroughly after handling.
Wear eye and face protection, and protective gloves and clothing.
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: Immediately call a poison center or doctor. Rinse mouth. Do NOT induce vomiting.
Store 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
potassium hydroxide	1310-58-3	5-10%
2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC)	37971-36-1	1-5%
sodium molybdate	7631-95-0	1-5%
maleic acid copolymer	113221-69-5	1-5%
hydroxyphosphonoacetic acid (HPAA)	23783-26-8	1-5%
tolyltriazole sodium salt	64665-57-2	1-5%
polyethylene glycol	25322-68-3	<1%
tetrasodium ethylenediaminetetraacetate (EDTA)	64-02-8	<1%
phosphinocarboxylic acid	110224-99-2	<1%

Section 4 - First-aid measures

Emergency and First Aid Procedures:

Inhalation	Remove to fresh air. Seek medical attention.
Eye Contact	Immediately flush eyes with large amounts of water for at least 15 minutes. Washing eyes within one minute is essential to achieve maximum effectiveness. Seek medical attention immediately.
Skin Contact	Immediately flush contacted area with large amounts of water. Remove contaminated clothing and wash before reuse.
Ingestion	Do not induce vomiting. Give large quantities of water. Give milk or Milk of Magnesia. Seek medical attention immediately.

Symptoms of Overexposure:

Inhalation	Can cause mild irritation of the mucous membranes to severe pneumonitis depending on severity of exposure.
Contact with Skin or Eyes	Destructive to eye tissue on contact. Will cause severe burns. May cause blindness.
Absorption Through Skin	May cause severe irritation or burns.
Ingestion	Can cause severe burns and complete perforation of mucous membranes of the mouth, throat, and stomach. May be fatal if swallowed.

Section 5 - Fire-fighting measures

Extinguishing Media	water spray, dry chemical, appropriate foam
Fire Fighting Procedure	Wear full protective clothing and use self contained breathing apparatus.
Unusual Fire/Explosion Hazard	N/A
Hazardous Combustion Products	Substance is noncombustible

Section 6 - Accidental release measures

Spill Response Procedure	Contain spill. Dilute with large quantity of water and neutralize with dilute acid. Flush to waste with excess water. Wear recommended protective clothing and equipment.

Section 7 - Handling and storage

Handling Precautions	Handle with care. Avoid eye and skin contact.
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
potassium hydroxide	not listed	2 mg/m3 (C)
2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC)	not listed	not listed
sodium molybdate	5 mg/m3 TWA	0.5 mg/m3 TWA
maleic acid copolymer	not listed	not listed
hydroxyphosphonoacetic acid (HPAA)	1 mg/m3 TWA, 3 mg/m3 STEL	1 mg/m3 TWA, 3 mg/m3 STEL
tolyltriazole sodium salt	not listed	not listed
polyethylene glycol	10 mg/m3 TWA	not listed

tetrasodium ethylenediaminetetraacetate (EDTA)	not listed	not listed
phosphinocarboxylic acid	not listed	not listed

Ventilation	Mechanical (general) exhaust required.
Respiratory Protection	Not necessary under normal use conditions.
Protective Gloves	Impermeable gloves.
Eye Protection	Face shield and splash proof goggles.
Other Protective Equipment	Impermeable boots and coveralls or apron. Emergency eyewash and shower in work area.
Work / Hygenic Practices	Protect containers from extreme temperatures. Do not transfer to aluminum or galvanized containers.

Section 9 - Physical and chemical properties

Appearance	Yellow	**Vapor Pressure @20°C**	Like Water
Odor	Slight aromatic	**Vapor Density**	Like Water
Odor Threshold	Not Determined	**Specific Gravity**	1.08
pH	12.5-13.5	**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**	Like Water

Section 10 - Stability and reactivity

Reactivity	in water: N/A
Stability	stable under normal conditions
Conditions to Avoid	N/A
Incompatible Materials	Strong mineral 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

Routes of Entry	inhalation, skin or eye contact, ingestion
Acute Exposure Symptoms	N/A
Chronic Exposure Effects	N/A
Medical Conditions Aggravated By Exposure	N/A

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
potassium hydroxide	1310-58-3	273 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
sodium molybdate	7631-95-0	4233 mg/kg	no data	>1.93 mg/L
maleic acid copolymer	113221-69-5	3870 mg/kg	no data	no data
hydroxyphosphonoacetic acid (HPAA)	23783-26-8	2750	no data	no data
tolyltriazole sodium salt	64665-57-2	1980 mg/kg	2000 mg/kg	no data

polyethylene glycol	25322-68-3	>10000 mg/kg	>20000 mg/kg	no data
tetrasodium ethylenediaminetetraacetate (EDTA)	64-02-8	3030 mg/kg	no data	no data
phosphinocarboxylic acid	110224-99-2	>5000 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
potassium hydroxide	1310-58-3	No	No	No
2-phosphonobutane-1,2,4-tricarboxylic acid (PBTC)	37971-36-1	No	No	No
sodium molybdate	7631-95-0	No	No	No
maleic acid copolymer	113221-69-5	No	No	No
hydroxyphosphonoacetic acid (HPAA)	23783-26-8	No	No	No
tolyltriazole sodium salt	64665-57-2	No	No	No
polyethylene glycol	25322-68-3	No	No	No
tetrasodium ethylenediaminetetraacetate (EDTA)	64-02-8	No	No	No
phosphinocarboxylic acid	110224-99-2	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 UN1814, POTASSIUM HYDROXIDE, SOLUTION, 8, PG II

Section 15 - Regulatory information

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

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

Section 16 - Other information

Date Prepared 9/10/2015 (reviewed)

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