



Section 1 - Identification

Product Name: CPL 3820C
Alternate Name: Nitrite And Molybdate Inhibitor Conc
Recommended Use: Closed system 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
Suspected of damaging fertility or the unborn child
May intensify fire; oxidizer

Keep away from heat.

Keep/Store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles.

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

Wash contacted areas thoroughly after handling.

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

IF EXPOSED OR CONCERNED: Get medical advice/attention.

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.

IN CASE OF FIRE: Use water spray, carbon dioxide, dry chemical, or appropriate foam to extinguish.

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
sodium nitrite	7632-00-0	20-30%
sodium molybdate	7631-95-0	1-5%
sodium metaborate tetrahydrate	10555-76-7	1-5%
tolyltriazole sodium salt	64665-57-2	<1%

Section 4 - First-aid measures

Emergency and First Aid Procedures:

Inhalation Remove to fresh air and get medical attention.
Eye Contact Immediately flush with water for 15 minutes. Get medical attention.
Skin Contact Wash with soap and water.



Ingestion	If conscious, give 2 to 4 glasses of water and induce vomiting by touching finger to back of the throat. Call physician or 911 or poison control center.(See section 1)
Symptoms of Overexposure:	
Inhalation	Evaporated residue may irritate respiratory tract.
Contact with Skin or Eyes	May cause local irritation.
Absorption Through Skin	Liquid will not absorb through skin.
Ingestion	Will irritate mouth, esophagus and stomach and large doses can lead to coma or death. LD50 for rat 185 mg/kg.

Section 5 - Fire-fighting measures

Extinguishing Media	water spray, carbon dioxide, dry chemical, or appropriate foam
Fire Fighting Procedure	Wear self contained breathing apparatus with full face piece approved by NIOSH.
Unusual Fire/Explosion Hazard	Evaporated residue produces solids which are toxic and are oxidizers.
Hazardous Combustion Products	Substance is noncombustible

Section 6 - Accidental release measures

Spill Response Procedure	Collect into clean fiber or steel drum and reuse. If flammable material is present, monitor clean-up with CO2, fire extinguisher.
---------------------------------	---

Section 7 - Handling and storage

Handling Precautions	No special handling procedures are required.
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 nitrite	not listed	not listed
sodium molybdate	5 mg/m3 TWA	0.5 mg/m3 TWA
sodium metaborate tetrahydrate	10 mg/m3 TWA	10 mg/m3 TWA
tolyltriazole sodium salt	not listed	not listed
Ventilation	Local and mechanical (general) exhaust required.	
Respiratory Protection	Not necessary under normal use conditions.	
Protective Gloves	Rubber or plastic gloves.	
Eye Protection	Safety goggles.	
Other Protective Equipment	Wear impervious clothing or boots and NIOSH approved respirator for mists, dusts, nitrogen oxide gases.	
Work / Hygienic Practices	Handle in accordance with good industrial hygiene and safety practices.	

Section 9 - Physical and chemical properties

Appearance	Slightly yellowish liquid.	Vapor Pressure @20°C	N/A
Odor	Odorless	Vapor Density	N/A
Odor Threshold	Not Determined	Specific Gravity	1.2-1.25



pH	10.5	Solubility in Water	Complete
Melting Point, °F	25 to 32 deg F	Partition Coefficient	Not Determined
Boiling Point, °F	220 deg F	Auto Ignition Temp, °F	N/A
Flash Point, °F	Not Flammable	Decomposition Temp, °F	Not Determined
Evaporation Rate	1.0	Viscosity	Not Determined
Flammability Limits	N/A	Percent Volatile	Like Water

Section 10 - Stability and reactivity

Reactivity	not reactive in water
Stability	stable under normal conditions
Conditions to Avoid	Temperatures above 320 deg C. Hazardous reaction can occur with acids, ammonium compounds, reducing agents - particularly cyanides, thiocyanates, and thiosulfates, certain combustibles, and organics.
Incompatible Materials	Strong mineral acids.
Hazardous Decomposition Products	Nitrogen oxides and caustic residue.
Hazardous Polymerization	Hazardous polymerization will not occur.

Section 11 - Toxicological information

Routes of Entry	inhalation, skin or eye contact, ingestion
Acute Exposure Symptoms	Can cause cyanosis and lead to coma or death.
Chronic Exposure Effects	N/A
Medical Conditions Aggravated By Exposure	N/A

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
sodium nitrite	7632-00-0	3430 mg/kg	no data	no data
sodium molybdate	7631-95-0	4233 mg/kg	no data	>1.93 mg/L
sodium metaborate tetrahydrate	10555-76-7	2330 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
sodium nitrite	7632-00-0	No	No	No
sodium molybdate	7631-95-0	No	No	No
sodium metaborate tetrahydrate	10555-76-7	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 Dispose of in accordance with local, state, and federal guidelines.



Section 14 - Transport information

DOT Shipping UN1500, SODIUM NITRITE, SOLUTION, 5.1, (6.1), PG III

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

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.