



Section 1 - Identification

Product Name: CPL 8003
Alternate Name: Borate Buffer
Recommended Use: pH adjuster
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

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, and protective gloves and clothing.

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.

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 metaborate tetrahydrate	10555-76-7	10-20%

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 15 minutes, lifting the upper and lower eyelids occasionally; continue flushing while waiting for medical assistance.
Skin Contact	Flush thoroughly with water; wash with soap/water while removing all contaminated clothing and shoes; get immediate medical attention.
Ingestion	Get medical attention immediately.
Symptoms of Overexposure:	
Inhalation	Irritating mist.
Contact with Skin or Eyes	Possible skin burns and corneal damage.
Absorption Through Skin	Can burn skin, not absorbed.



Ingestion

Burning.

Section 5 - Fire-fighting measures

Extinguishing Media water spray, carbon dioxide, dry chemical, or appropriate foam
Fire Fighting Procedure N/A
Unusual Fire/Explosion Hazard None
Hazardous Combustion Products Substance is noncombustible

Section 6 - Accidental release measures

Spill Response Procedure Collect in a suitable container.

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 metaborate tetrahydrate	10 mg/m3 TWA	10 mg/m3 TWA
Ventilation	Local and mechanical (general) exhaust required.	
Respiratory Protection	Not required unless mist is noted. Then use NIOSH approved respirator.	
Protective Gloves	Rubber or impermeable gloves.	
Eye Protection	Safety goggles.	
Other Protective Equipment	Impermeable apron advised.	
Work / Hygienic Practices	Handle in accordance with good industrial hygiene and safety practices.	

Section 9 - Physical and chemical properties

Appearance	Clear colorless liquid.	Vapor Pressure @20°C	N/A
Odor	Odorless	Vapor Density	N/A
Odor Threshold	Not Determined	Specific Gravity	1.07
pH	11.5	Solubility in Water	Completely
Melting Point, °F	N/A	Partition Coefficient	Not Determined
Boiling Point, °F	212 deg F	Auto Ignition Temp, °F	N/A
Flash Point, °F	Not Flammable	Decomposition Temp, °F	Not Determined
Evaporation Rate	0.8	Viscosity	Not Determined
Flammability Limits	N/A	Percent Volatile	N/A

Section 10 - Stability and reactivity

Reactivity in water: Not reactive.
Stability stable under normal conditions
Conditions to Avoid Organic and mineral acids and some metals.



Incompatible Materials Strong mineral acids.
Hazardous Decomposition Products None.
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 eye burns & irritation to nose, throat & skin.
Chronic Exposure Effects Not determined.
Medical Conditions Aggravated By Exposure Not determined.

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
sodium metaborate tetrahydrate	10555-76-7	2330 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 metaborate tetrahydrate	10555-76-7	No	No	No

Section 12 - Ecological information

Overview: No data

Section 13 - Disposal considerations

Preparing Waste For Disposal Dispose of in accordance with Federal, State and local laws and regulations.

Section 14 - Transport information

DOT Shipping Not DOT Regulated

Section 15 - Regulatory information

California Proposition 65 This product does not contain chemicals listed by California proposition 65.
HMS Ratings Health: 1, Flammability: 0, Reactivity: 0

Section 16 - Other information

Date Prepared 5/22/2015
Preparer Michael Bortnik

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