



Safety Data Sheet

1. Identification

Product Name: CL8002

Recommended Use: Cooling Water Treatment

Supplied by: ChemTreat, Inc.
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Glen Allen, Virginia 23060
E-Mail: productcompliance@chemtreat.com
www.chemtreat.com
(800) 648-4579

Emergency Telephone: (800) 424-9300

2. Hazards Identification

This substance or mixture is classified in accordance with 29 CFR 1910.1200.

Hazard Pictogram(s)



Signal Word

None

GHS CLASSIFICATION & HAZARD STATEMENTS

SKIN IRRITATION - CATEGORY 2 AND EYE IRRITATION - CATEGORY 2B H315+H320 Causes skin and eye irritation

PRECAUTIONARY STATEMENTS

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P317 If skin irritation occurs: Get medical help.

P337+P317 If eye irritation persists: Get medical help.

P362+P364 Take off contaminated clothing and wash it before reuse.

3. Composition/Information on Ingredients

Chemical Name	CAS-No.	Wt. %	GHS Statements
Potassium hydroxide	1310-58-3	20 - 30	H301-314-318
Phosphoric acid	7664-38-2	20 - 30	H302-314-318-330

The exact percentage (concentration) and/or specific chemical identity of the product composition has been withheld as a trade secret.
Full text of H-statements (if any): see Section 16

4. First-aid Measures



First Aid - General Advice: Provide general supportive measures and treat symptomatically. If any symptoms persist or in all cases of

doubt, seek medical advice.

First Aid - Inhalation: Move to fresh air and rest in a comfortable breathing position. Use oxygen or artificial respiration if needed. Call a poison center or physician if experiencing symptoms.

First Aid - Ingestion: Rinse mouth. Seek medical advice immediately. Do not induce vomiting without advice from the poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

First Aid - Skin Contact: Immediately wash skin with plenty of water while removing any contaminated clothing. Call a physician or poison control center immediately if symptoms occur. Chemical burns must be treated by a physician.

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove eye contact lenses. Call a physician or poison control center immediately if symptoms persist.

Most Important Symptoms and Effects: See Section 2 and Section 11, Toxicological effects for description of potential symptoms. This material may be corrosive and potentially damaging to any tissue it comes in contact with. Symptoms may include irritation, stinging, tearing, redness, swelling, itching, burns, and blurred vision.

Notes to Physician: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Treat symptomatically.

5. Fire-fighting Measures

Fire and Explosion Hazards: Use standard firefighting procedures and consider the hazards of other involved materials.

Special Firefighting Procedures: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Suitable Extinguishing Media: Use extinguishing media suitable to surrounding fire.

6. Accidental Release Measures

Methods and Materials for Containment and Cleanup: Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Large Spills: Stop the flow of material, if possible without risk. Absorb in vermiculite, sand, or earth and place into containers. Flush area with water.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental Precautions: Avoid release to the environment. Do not allow discharge into drains, water courses, or onto the ground. See Section 12 for additional Ecological information.

Advice for Emergency Responders: Keep unnecessary personnel away. Ventilate area. Observe and follow emergency procedures.

Personal Precautions: Refer to protective measures listed in sections 7 and 8.

7. Handling and Storage

Handling: Do not get in eyes, on skin or clothing. Keep container tightly closed. Wear personal protection equipment. Do not breath vapors. Wash thoroughly after handling.

Storage: Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store above Freeze Point.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Potassium hydroxide	N.E.	N.E.	N.E.	N.E.
Phosphoric acid	1 mg/m ³	3 mg/m ³	1 mg/m ³	N.E.

MEL = Maximum Exposure Limit OES = Occupational Exposure Standard N.E. = Not Established

Personal Protection

Respiratory Protection: If engineering controls do not maintain airborne concentrations below applicable exposure limits, an appropriate certified respirator must be worn.

Skin Protection: Wear appropriate chemical resistant gloves.

Eye Protection: Wear safety glasses with side shields (or goggles) and/or a face shield.

Other Protective Equipment: Wear suitable personal protective equipment. Eye wash facilities and emergency shower must be available when handling this product.

Hygienic Practices: Handle in accordance with good industrial hygiene and safety practice.

Engineering Controls: Use adequate ventilation to maintain airborne concentrations at levels below permissible or recommended occupational exposure limits.

9. Physical and Chemical Properties

Appearance:	Clear	Color:	Colorless
Physical State:	Liquid	Odor:	Mild
Density, lb/gal:	12.35000	Specific gravity, 20°C	1.481
Freeze Point, °C:	-25	pH:	9.20
Solubility in Water:	Soluble	Viscosity:	0 - 200 cps
Boiling Range, °C:	No Information	Flash Point, °C:	No Information
Volatile Organic Compounds, gr/ltr:	No Information	Combustibility:	Does Not Sustain Combustion

10. Stability and Reactivity

Reactivity: No reactivity hazards known under recommended storage and use conditions.

Stability: Stable under normal conditions.

Conditions to Avoid: Contact with incompatible materials.

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition Products: None known under recommended use and conditions.

11. Toxicological Information

Most Important Symptoms and Effects: See Section 2 and Section 11, Toxicological effects for description of potential symptoms. This material may be corrosive and potentially damaging to any tissue it comes in contact with. Symptoms may include irritation, stinging, tearing, redness, swelling, itching, burns, and blurred vision.

Effect of Overexposure - Inhalation: Prolonged inhalation may be harmful. Under normal use conditions, this product is not expected to cause adverse health effects.

Effect Of Overexposure - Ingestion: Harmful if swallowed.

Effect of Overexposure - Skin Contact: May cause severe skin irritation or burns.

Effect Of Overexposure - Eye Contact: May cause serious eye irritation or damage.

Effect Of Overexposure - Chronic Hazards: No persistent or cumulative effects were observed. Under normal use conditions, this product is not expected to cause chronic health effects.

Carcinogenicity: Not classifiable as to carcinogenicity to humans.

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
1310-58-3	Potassium hydroxide	284 mg/kg Rat	>2001	>200001
7664-38-2	Phosphoric acid	1530 mg/kg Rat	2740 mg/kg Rabbit	0.9 mg/L Rat

N.I. = No Information

12. Ecological Information

Ecological Information: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Ecological Effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Ecotoxicity

Species	Duration and Type	Test Results
Fathead minnow (<i>Pimephales promelas</i>)	LC50 for 96 hours	1294 mg/L
Ceriodaphnia dubia	LC50 for 48 hours	554.8 mg/L

13. Disposal Information

Disposal Instructions: Do not dispose or allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated Packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Hazardous Waste Code: None

14. Transport Information

DOT

Not regulated as dangerous goods

IATA

Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods

Special Transport Precautions: No Information

15. Regulatory Information

Federal Regulations:

This safety data sheet was prepared in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4)

Chemical Name	CAS-No.
Potassium hydroxide	1310-58-3
Phosphoric acid	7664-38-2

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely Hazardous Substances

Chemical Name	CAS-No.	Threshold
Potassium hydroxide	1310-58-3	1000 lb
Phosphoric acid	7664-38-2	5000 lb

SARA 304 Emergency Release Notification

Chemical Name	CAS-No.
Potassium hydroxide	1310-58-3
Phosphoric acid	7664-38-2

SARA Section 311/312

Classified Hazard Categories Skin Corrosion or Irritation

SARA 313 (TRI reporting)

Not regulated

OSHA Specifically Regulated Substances List (40 CFR 1910.1001-1053)

Not regulated

Clean Air Act (CAA)

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated

Safe Drinking Water Act (SDWA)

Not regulated

California Proposition 65

Not regulated

International Regulations:**International Inventories:**

Country(s) or region	Inventory name	On inventory (yes/no)*
TSCA	United States Toxic Substances Control Act Inventory	Yes
DSL	Canadian Domestic Substances List	Yes
NDSL	Canadian Non-Domestic Substances List	No
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances	Yes
ENCS	Japan Existing and New Chemical Substances	No
IECSC	China Inventory of Existing Chemical Substances	Yes
KECI	Korean Existing and Evaluated Chemical Substances	Yes
PICCS	Philippines Inventory of Chemicals and Chemical Substances	Yes
AICS	Australian Inventory of Chemical Substances	Yes
NZIoC	New Zealand Inventory of Chemicals	Yes
TCSI	Taiwan Chemical Substance Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information

Revision Date: 6/27/2024

Reason for revision: Substance and/or Product Properties Changed in Section(s):
02 - Hazards Identification
15 - Regulatory Information
Revision Statement(s) Changed

Datasheet produced by: productcompliance@chemtreat.com

HMIS Ratings:

Health:	2	Flammability:	0	Reactivity:	0	Personal Protection:	X
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Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H314 Causes severe skin burns and eye damage.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

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