



# Safety Data Sheet

## 1. Identification

**Product Name:** CL8020

**Recommended Use:** Scale Control

**Supplied by:** ChemTreat, Inc.  
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Glen Allen, Virginia 23060  
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## 2. Hazards Identification

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

### Hazard Pictogram(s)



### Signal Word

Danger

### GHS CLASSIFICATION & HAZARD STATEMENTS

SERIOUS EYE DAMAGE - CATEGORY 1	H318	Causes serious eye damage.
SKIN CORROSION - CATEGORY 1	H314	Causes severe skin burns and eye damage.

### PRECAUTIONARY STATEMENTS

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302	IF ON SKIN:
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P316	Get emergency medical help immediately.
P321	Specific treatment is possible (refer to label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international.
P363	Wash contaminated clothing before reuse.

## 3. Composition/Information on Ingredients

Chemical Name	CAS-No.	Wt. %	GHS Statements
Ethylidene diphosphonic acid, 1-hydroxy-	2809-21-4	3 - 5	H318

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. Call a physician if symptoms develop or persist.

**First Aid - Ingestion:** Rinse mouth. Get medical attention if symptoms occur.

**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
Ethylidene diphosphonic acid, 1-hydroxy-	N.E.	N.E.	N.E.	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

<b>Appearance:</b>	Clear	<b>Color:</b>	Yellow
<b>Physical State:</b>	Liquid	<b>Odor:</b>	Mild
<b>Density, lb/gal:</b>	9.31	<b>Specific gravity, 20°C</b>	1.116
<b>Freeze Point, °C:</b>	3	<b>pH:</b>	1.20
<b>Solubility in Water:</b>	Soluble	<b>Viscosity:</b>	0 - 200 cps
<b>Boiling Range, °C:</b>	No Information	<b>Flash Point, °C:</b>	No Information
<b>Volatile Organic Compounds, gr/ltr:</b>	No Information	<b>Combustibility:</b>	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:** Under normal use conditions, this product is not expected to cause adverse health effects.

**Effect Of Overexposure - Ingestion:** May be harmful if swallowed. Rinse mouth. Call a physician or poison center if symptoms occur.

**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
2809-21-4	Ethylidene diphosphonic acid, 1-hydroxy-	3130 mg/kg Rat	>10000 mg/kg Rabbit	N.I.

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
Ceriodaphnia dubia	LC50 for 48 hours	1340 mg/L
Fathead minnow (Pimephales promelas)	LC50 for 96 hours	3789 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:** D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**14. Transport Information****DOT**

<b>UN Number:</b>	UN3265
<b>Proper Shipping Name:</b>	Corrosive liquid, acidic, organic, n.o.s.
<b>Technical Name:</b>	(PHOSPHONIC ACID, 1-(1-HYDROXYETHYLENE)BIS-)
<b>Hazard Class(es)</b>	
<b>Class:</b>	8
<b>Subsidiary Risk</b>	No Information
<b>Packing Group:</b>	PGII
<b>Special Precautions for user:</b>	Read safety instructions, SDS and emergency procedures before handling
<b>Reportable Quantity (RQ) lbs</b>	No Information
<b>ERG Code:</b>	154

**IATA**

<b>UN Number:</b>	UN3265
<b>Proper Shipping Name:</b>	Corrosive liquid, acidic, organic, n.o.s.
<b>Technical Name:</b>	(PHOSPHONIC ACID, 1-(1-HYDROXYETHYLENE)BIS-)
<b>Hazard Class(es)</b>	
<b>Class:</b>	8
<b>Subsidiary Risk:</b>	N/A
<b>Packing Group:</b>	PGII
<b>Environmental Hazards:</b>	No
<b>ERG Code:</b>	8L

**IMDG**

<b>UN Number:</b>	UN3265
<b>Proper Shipping Name:</b>	Corrosive liquid, acidic, organic, n.o.s.
<b>Technical Name:</b>	(PHOSPHONIC ACID, 1-(1-HYDROXYETHYLENE)BIS-)
<b>Hazard Class(es)</b>	
<b>Class:</b>	8
<b>Subsidiary Risk:</b>	N/A
<b>Packing Group:</b>	PGII
<b>Marine Pollutant:</b>	No
<b>EmS:</b>	F-A, S-B
<b>Special Precautions for user:</b>	Read safety instructions, SDS and emergency procedures before handling

**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)

Not regulated

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### SARA 302 Extremely Hazardous Substances

Not regulated

##### SARA 304 Emergency Release Notification

Not regulated

##### SARA Section 311/312

**Classified Hazard Categories** Skin Corrosion or Irritation, Serious eye damage or eye 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	No
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:** 4/9/2024  
**Reason for revision:** No Information  
**Datasheet produced by:** productcompliance@chemtreat.com

### HMIS Ratings:

<b>Health:</b>	3	<b>Flammability:</b>	0	<b>Reactivity:</b>	0	<b>Personal Protection:</b>	X
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### Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H318 Causes serious eye damage.

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

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