

# SAFETY DATA SHEET

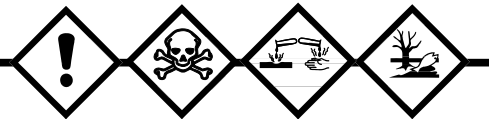
## Section 1. Chemical Product and Company Identification

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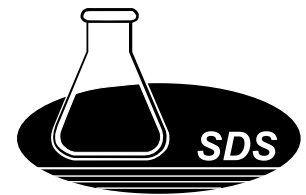
<b>Product Name:</b>	ChemTreat CL2030
<b>Product Use:</b>	Cooling Water Microbiocide and Algicide
<b>Supplier's Name:</b>	ChemTreat, Inc.
<b>Emergency Telephone Number:</b>	(800)424-9300 (Toll Free)
<b>Address (Corporate Headquarters):</b>	5640 Cox Road Glen Allen, VA 23060
<b>Telephone Number for Information:</b>	(800)648-4579
<b>Date of SDS:</b>	February 7, 2019
<b>Revision Date:</b>	February 7, 2019
<b>Revision Number:</b>	19020701AN

## Section 2. Hazard(s) Identification

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<b>Signal Word:</b>	<b>DANGER</b>
<b>GHS Classification(s):</b>	Acute Toxicity Oral – Category 4 Acute Toxicity Dermal – Category 3 Skin corrosion/irritation – Category 1b Eye damage/irritation – Category 1 Hazardous to the aquatic environment Acute – Category 1 Hazardous to the Aquatic Environment Chronic – Category 1
<b>Hazard Statement(s):</b>	H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
<b>Precautionary Statement(s):</b>	
<b>Prevention:</b>	P264 Wash thoroughly after handling. P270 Do not eat, drink, or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection. P273 Avoid release into the environment.



**Response:**

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.  
P301 + 330 + 331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.  
P391 Collect spillage.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.

**System of Classification Used:**

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Hazards Not Otherwise Classified:**

None.

**Section 3. Composition/Hazardous Ingredients**

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Component	CAS Registry #	Wt.%
N,N-Dioctyl-N,N-dimethylammonium chloride	5538-94-3	50

**Comments**

If chemical identity and/or exact percentage of composition has been withheld, this information is considered to be a trade secret.

## Section 4. First Aid Measures

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<b>Inhalation:</b>	Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Eyes:</b>	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/physician.
<b>Skin:</b>	Immediately remove/take off all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before re-use. Immediately call a poison center or doctor/physician.
<b>Ingestion:</b>	DO NOT INDUCE VOMITING. Rinse mouth. Call a POISON CENTER or doctor/physician.
<b>Most Important Symptoms:</b>	N/D
<b>Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary:</b>	Probable mucosal damage may contraindicate the use of gastric lavage.

## Section 5. Fire Fighting Measures

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<b>Flammability of the Product:</b>	Not flammable.
<b>Suitable Extinguishing Media:</b>	Use extinguishing media suitable to surrounding fire.
<b>Specific Hazards Arising from the Chemical:</b>	Product emits toxic gases or fumes under fire conditions.
<b>Protective Equipment:</b>	If product is involved in a fire, wear full protective clothing including a positive-pressure, NIOSH approved, self-contained breathing apparatus.



## ***Section 6. Accidental Release Measures***

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<b>Personal Precautions:</b>	Use appropriate Personal Protective Equipment (PPE).
<b>Environmental Precautions:</b>	Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.
<b>Methods for Cleaning up:</b>	Contain and recover liquid when possible. Flush spill area with water spray.
<b>Other Statements:</b>	None.

## ***Section 7. Handling and Storage***

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<b>Handling:</b>	Wear appropriate Personal Protective Equipment (PPE) when handling this product. Do not get in eyes, or on skin and clothing. Wash thoroughly after handling. Do not ingest. Avoid breathing vapors, mist or dust.
<b>Storage:</b>	Store away from incompatible materials (see Section 10). Store at ambient temperatures. Keep container securely closed when not in use. Label precautions also apply to empty container. Recondition or dispose of empty containers in accordance with government regulations. For Industrial use only. Protect from heat and sources of ignition. Do not store above 140°F. Store above Freeze Point.

## Section 8. Exposure Controls/Personal Protection

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### Exposure Limits

Component	Source	Exposure Limits
N,N-Dioctyl-N,N-dimethylammonium chloride	N/E	N/E

**Engineering Controls:** Use only with adequate ventilation. The use of local ventilation is recommended to control emission near the source.

### Personal Protection

**Eyes:** Wear chemical splash goggles or safety glasses with full-face shield. Maintain eyewash fountain in work area.

**Skin:** Wear appropriate chemical resistant gloves.

**Respiratory:** If misting occurs, use NIOSH approved organic vapor/acid gas dual cartridge respirator with a dust/mist prefilter in accordance with 29 CFR 1910.134.

## Section 9. Physical and Chemical Properties

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<b>Physical State and Appearance:</b>	Liquid, Light Straw, Clear
<b>Specific Gravity:</b>	0.962 @ 20°C
<b>pH:</b>	8.8 @ 20°C, 100.0%
<b>Freezing Point:</b>	25°F
<b>Flash Point:</b>	>200.1°F
<b>Odor:</b>	Moderate
<b>Melting Point:</b>	N/D
<b>Initial Boiling Point and Boiling Range:</b>	203°F
<b>Solubility in Water:</b>	Soluble
<b>Evaporation Rate:</b>	N/D
<b>Vapor Density:</b>	N/D
<b>Molecular Weight:</b>	N/D
<b>Viscosity:</b>	N/D
<b>Flammability (solid, gas):</b>	N/D
<b>Flammable Limits:</b>	N/A
<b>Autoignition Temperature:</b>	N/A
<b>Density:</b>	8.02 LB/GA
<b>Vapor Pressure:</b>	N/D
<b>% VOC:</b>	N/D
<b>Odor Threshold</b>	N/D
<b>n-octanol Partition Coefficient</b>	N/D

Decomposition Temperature

N/D

## Section 10. Stability and Reactivity

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<b>Chemical Stability:</b>	Stable at normal temperatures and pressures.
<b>Incompatibility with Various Substances:</b>	Strong acids, Strong bases, Oxidizers.
<b>Hazardous Decomposition Products:</b>	None known.
<b>Possibility of Hazardous Reactions:</b>	None known.
<b>Reactivity:</b>	N/D
<b>Conditions To Avoid:</b>	N/D

## Section 11. Toxicological Information

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### Acute Toxicity

Chemical Name	Exposure	Type of Effect	Concentration	Species
ChemTreat CL2030	Dermal	LD50	259 MG/KG	Rabbit

### Carcinogenicity Category

Component	Source	Code	Brief Description
N,N-Dioctyl-N,N-dimethylammonium chloride	N/E	N/E	N/E

**Likely Routes of Exposure:** N/D

### Symptoms

<b>Inhalation:</b>	N/D
<b>Eye Contact:</b>	N/D
<b>Skin Contact:</b>	N/D
<b>Ingestion:</b>	N/D

**Skin Corrosion/Irritation:** N/D



Serious Eye Damage/Eye Irritation: N/D

Sensitization: N/D

Germ Cell Mutagenicity: N/D

Reproductive/Developmental Toxicity: N/D

Specific Target Organ Toxicity

    Single Exposure: N/D

    Repeated Exposure: N/D

Aspiration Hazard: N/D

Comments: None.

## Section 12. Ecological Information

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### Ecotoxicity

Species	Duration	Type of Effect	Test Results
Fathead Minnow	96h	LC50	7.3 mg/l
Ceriodaphnia dubia	48h	LC50	0.75 mg/l
Rainbow Trout	96h	LC50	0.7 mg/l
Bluegill Sunfish	48h	LC50	0.1 mg/l
Daphnia magna	48h	EC50	0.1 mg/l

Persistence and Biodegradability: N/D

Bioaccumulative Potential: N/D

Mobility In Soil: N/D

Other Adverse Effects: N/D

Comments: None.

### Section 13. Disposal Considerations

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**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by procedures approved by state and local authorities.

### Section 14. Transport Information

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Controlling Regulation	UN/NA#:	Proper Shipping Name:	Technical Name:	Hazard Class:	Packing Group:
DOT	UN2922	CORROSIVE LIQUIDS, TOXIC, N.O.S.	(DIOCTYLDIMETHYLAMMONIUMCHLORIDE)	8, 6.1	PGII
TDG	UN2922	CORROSIVE LIQUIDS, TOXIC, N.O.S.	(DIOCTYLDIMETHYLAMMONIUMCHLORIDE)	8, 6.1	PGII
IMDG	UN2922	CORROSIVE LIQUIDS, TOXIC, N.O.S.	(DIOCTYLDIMETHYLAMMONIUMCHLORIDE)	8, 6.1	PGII
ICAO	UN2922	CORROSIVE LIQUIDS, TOXIC, N.O.S.	(DIOCTYLDIMETHYLAMMONIUMCHLORIDE)	8, 6.1	PGII

**Note:** N/A

### Section 15. Regulatory Information

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#### Inventory Status

**United States (TSCA):**  
**Canada (DSL/NDSL):**

All ingredients listed or exempt.  
All ingredients listed or exempt.





**Federal Regulations**

**SARA Title III Rules**

**Sections 311/312 Hazard Classes**

<b>Fire Hazard:</b>	No
<b>Reactive Hazard:</b>	No
<b>Release of Pressure:</b>	No
<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No

**Other Sections**

Component	Section 313 Toxic Chemical	Section 302 EHS TPQ	CERCLA RQ
N,N-Dioctyl-N,N-dimethylammonium chloride	N/A	N/A	N/A

**Comments:** None.

**State Regulations**

**California Proposition 65:** None known.

**Special Regulations**

Component	States
N,N-Dioctyl-N,N-dimethylammonium chloride	None.

**Compliance Information**

<b>NSF:</b>	N/A
<b>Food Regulations:</b>	N/A
<b>KOSHER:</b>	This product has not been evaluated for Kosher approval.
<b>Halal:</b>	This product has not been evaluated for Halal approval.
<b>FIFRA:</b>	Registered pesticide under 40 CFR 152.10, Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), EPA Registration Number: 6836-60-15300.
<b>Other:</b>	None

**Comments:** None.

## Section 16. Other Information

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### HMIS Hazard Rating

Health:	3
Flammability:	1
Physical Hazard:	0
PPE:	X

#### Notes:

The PPE rating depends on circumstances of use. See Section 8 for recommended PPE.

The Hazardous Material Information System (HMIS) is a voluntary, subjective alpha-numeric symbolic system for recommending hazard risk and personal protection equipment information. It is a subjective rating system based on the evaluator's understanding of the chemical associated risks. The end-user must determine if the code is appropriate for their use.

### Abbreviations

Abbreviation	Definition
<	Less Than
>	Greater Than
ACGIH	American Conference of Governmental Industrial Hygienists
EHS	Environmental Health and Safety Dept
N/A	Not Applicable
N/D	Not Determined
N/E	Not Established
OSHA	Occupational Health and Safety Dept
PEL	Personal Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weight Average
UNK	Unknown

**Prepared by:** Product Compliance Department; ProductCompliance@chemtreat.com

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## ***Disclaimer***

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