



# MATERIAL SAFETY DATA SHEET

## Section 1. Chemical Product and Company Identification

**Product Name:** ChemTreat CL2065

**Product Use:** Cooling Water Microbiocide

**Supplier's Name:** ChemTreat, Inc.

**Emergency Telephone Number:** (800) 424–9300 (Toll Free)

Address (Corporate Headquarters): (703) 527–3887 5640 COX ROAD

Telephone Number for Information: Glen Allen, VA 23060 (800) 648–4579

**Date of MSDS:** June 26, 2013

## Section 2. Hazard(s) Identification

Signal Word: DANGER!

**Hazard Statement(s):** Causes severe skin burns and eye damage.

Causes serious eye damage. Harmful in contact with skin.

Harmful if inhaled. Harmful if swallowed. Very toxic to aquatic life.

**Precautionary Statement(s):** Wear protective gloves/clothing and eye/face protection. Do not

breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Use

only outdoors or in a well-ventilated area.

# Section 3. Composition/Hazardous Ingredients

Component	CAS Registry #	Wt.%
Tributyltetradecyl phosphonium chloride	81741-28-8	5





## Section 4. First Aid Measures

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable

for breathing. Immediately call a poison center or doctor/physician.

Eyes: 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.

**Skin:** 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.

**Ingestion:** DO NOT INDUCE VOMITING. Rinse mouth. Call a POISON

CENTER or doctor/physician.

**Notes to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**Additional First Aid Remarks:** Have the product container, label or MSDS with you when calling a

poison control center or doctor, or when going for treatment.

## Section 5. Fire Fighting Measures

**Flammability of the Product:** Not flammable.

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

**Specific Hazards Arising from** 

the Chemical:

Product may emit toxic gases or fumes under fire conditions.

Use water spray to keep containers cool.

**Protective Equipment:** 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

**Personal Precautions:** Use appropriate Personal Protective Equipment (PPE).

**Environmental Precautions:** This pesticide is toxic to fish.

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.

**Methods for Cleaning up:** Contain and recover liquid when possible. Flush spill area with water

spray.

**Other Statements:** None.

# Section 7. Handling and Storage

**Handling:** 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.

**Storage:** 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. Keep from freezing.

# Section 8. Exposure Controls/Personal Protection

#### **Exposure Limits**

Component	Source	Exposure Limits
Tributyltetradecyl phosphonium chloride		N/E

### **Carcinogenicity Category**

Component	Source	Code	Brief Description
Tributyltetradecyl phosphonium chloride			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:** Maintain quick—drench facilities in work area.

Wear butyl rubber or neoprene gloves. Wash them after each use and replace as necessary. If conditions warrant, wear protective clothing

such as boots, aprons, and coveralls to prevent skin contact.

**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

**Physical State and Appearance:** Liquid, Colorless, Clear

**Specific Gravity:** 0.994 @ 20°C pĦ: 6.6 @ 20°C, 100.0%

**Freezing Point:** N/D **Flash Point:** N/D Odor: Mild **Melting Point:** N/A **Boiling Point:** 212°F **Solubility in Water:** Complete **Evaporation Rate:** N/D

**Vapor Density:** N/D **Molecular Weight:** N/D

<100 CPS @ 20°C Viscosity:

Flammable Limits: N/A **Autoignition Temperature:** N/A **Density:** 8.29 lb/ga Vapor Pressure: N/D

% VOC: N/D

## Section 10. Stability and Reactivity

**Chemical Stability:** Stable at normal temperatures and pressures.

**Incompatibility with Various** Strong oxidizers, Strong reducing agents, Strong Alkalies

**Substances:** 

**Hazardous Decomposition** 

**Products:** 

Oxides of carbon, Oxides of phosphorus, Chlorine

**Possibility of Hazardous** 

**Reactions:** 

None known.





## Section 11. Toxicological Information

Chemical Name	Exposure	Type of Effect	Concentration	Species
N/D				

**Comments:** None.

# Section 12. Ecological Information

Species	Duration	Type of Effect	Test Results
Bluegill Sunfish	96h	LC50	0.65 mg/l
	7d	NOEC	0.32 mg/l
Rainbow Trout	96h	LC50	4.8 mg/l
	7d	NOEC	1 mg/l
Daphnia magna	48h	LC50	0.54 mg/l
	7d	NOEC	0.29 mg/l

**Comments:** None.

# Section 13. Disposal Considerations

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





#### **DOT**

Proper Shipping Name: Technical Name: CORROSIVE LIQUIDS, TOXIC, N.O.S.

(TRIBUTYLTETRADECYLPHOSPHONIUM CHLORIDE)

**Hazard Class:** Corrosive

Poisonous Materials

UN/NA#: UN2922 **Packing Group: PGII** 

# Section 15. Regulatory Information

### **Inventory Status**

**United States (TSCA):** All ingredients listed. Canada (DSL/NDSL): All ingredients listed.

### **Federal Regulations**

### **SARA Title III Rules**

#### Sections 311/312 Hazard Classes

Fire Hazard: No **Reactive Hazard:** No **Release of Pressure:** No **Acute Health Hazard:** Yes **Chronic Health Hazard:** No

### **Other Sections**

	Section 313	Section 302 EHS	
Component	Toxic Chemical	TPQ	CERCLA RQ
Tributyltetradecyl phosphonium chloride	N/A	N/A	N/A

**Comments:** None.

### **State Regulations**

**California Proposition 65:** None known.





### **Special Regulations**

Component	States
Tributyltetradecyl phosphonium chloride	None

### **International Regulations**

Canada

**WHMIS Classification:** N/A

**Controlled Product Regulations** 

N/A

(CPR):

# Section 16. Other Information

### **HMIS Hazard Rating**

Health:3Flammability:0Physical Hazard:0PPE: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.

NSF: N/A

FDA/USDA/GRAS: N/A

**KOSHER:** This product has not been evaluated for Kosher approval.

**FIFRA:** This product is an EPA registered biocide. 83451–16–15300

Other: None





#### **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: Regulatory Affairs Department** 

## Disclaimer

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