

SAFETY DATA SHEET

SECTION I: IDENTIFICATION

Product: CT 3200

Description: Sanitizer / Disinfectant

Company Identification: Chemtech, Inc.
1621 N. 1st St.
Winterset, IA 50273
Phone: 888-570-5333
Website: www.chemtechus.com



Company Emergency Telephone Number: CHEMTREC 1-800-424-9300

SECTION II: HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Product Class: Quaternary Ammonium Compound

Acute Oral Toxicity: Category 4

Acute Dermal Toxicity: Category 4

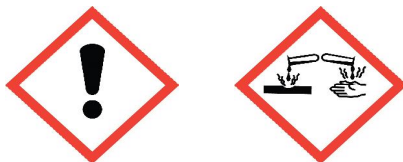
Skin Corrosion/Irritation: Category 1 Sub-category A

Eye Damage/Eye Irritation: Category 1

GHS LABEL ELEMENTS

Signal Word: **Danger**

Hazard Pictograms:



Hazard Statements: Causes severe burns and serious eye damage. - H314
Causes serious eye damage. - H318
Harmful if swallowed. - H302

PRECAUTIONARY STATEMENTS

Prevention: Wash skin thoroughly after handling. - P264
Wear protective gloves/protective clothing/eye protection/face protection. - P280
Use outdoors or in well-ventilated area. - P271
Do not eat, drink or smoke when using this product. - P270

Response: Immediately call a POISON CENTER or doctor/physician. - P310

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. - P305+351+338

Skin: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. - P303+361+353

Inhalation: IF INHALED: Move victim to fresh air and keep at rest in a position comfortable for breathing. - P304+340

Ingestion: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. - P301+330+331

Spill: Absorb spillage to prevent material damage. - P390

Storage: Store locked up. - P405

Disposal: Dispose of contents and container in accordance with local, state and federal regulations. - P501

Hazards Not Classified: Not applicable.

SECTION III: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight - %
Water	7732-18-5	90.0%
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	4.0%
Octyl decyl ammonium chloride	32426-11-2	3.0%
Dioctyl dimethyl ammonium chloride	5538-94-3	1.5%
Didecyl dimethyl ammonium chloride	7173-51-5	1.5%

SECTION IV: FIRST AID MEASURES

Eyes: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses if present, after the first 5 minutes then continue rinsing eye. Seek medical attention at once.

Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a POISON CONTROL CENTER, doctor for treatment advice.

Inhalation: If symptoms are experienced, move victim to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a POISON CONTROL CENTER or doctor for further treatment advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip on glass of water if able to swallow. Do Not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

Note to Physician: Treat symptomatically.

SECTION V: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, dry chemical powder or carbon dioxide (CO2).

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from Chemical: During fire gases hazardous to health may be formed.

Protective Equipment / Precautions for Firefighters: Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Emergency Action: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Do not touch damaged containers or material unless wearing appropriate protective clothing.

Personal Precautions: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Environmental Precautions: Do not rinse spill onto the ground, into storm sewers or bodies of water.

Methods for Cleaning Up: Should not be released into the environment. Stop flow of material if without risk. Prevent entry into waterways, drains or onto the ground. Flush area with water after product recovery.

Never return spills to containers for re-use. For waste disposal, see Section 13.

SECTION VII: HANDLING AND STORAGE

Safe Handling: Do not breathe mist or vapor. Do not get in eyes, on skin or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains. Do not mix with other chemicals.

Storage Conditions for Safe Storage, Including any Incompatibilities: Not available.

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Ensure good general ventilation. Eye wash stations and shower facilities should be readily accessible in areas where product is handled.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection: Wear splash goggles. For product usage over head wear a face shield over goggles.

Skin/Body Protection: Wear rubber or other chemical resistant gloves. Use of apron, boots and other protective equipment should be considered to prevent or minimize product exposure.

Respiratory Protection: Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use MSHA/NIOSH approved respirator according to conditions and chemicals in Section 3.

General Hygiene: Always observe good personal hygiene measures, washing after handling material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Color	Clear, colorless to straw colored liquid
Odor	Benzaldehyde (organic) odor
pH	6.0 - 8.0
Melting Point / Freezing Point	No information available
Boiling Point / Boiling Range	(F ⁰): > 500
Flash Point	None - Cleveland Open Cup
Evaporation Rate	No information available
Flammability (Solid, gas)	No information available
Upper Flammability Limit	No information available
Lower Flammability Limit	No information available
Vapor Pressure	No information available
Vapor Density	Estimated to be heavier than air
Specific Gravity	0.9895 (8.25 lbs/gal)
Solubility(ies)	Negligible
Partition Coefficient	No information available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	2.603 mm ² /s @ 21 degrees Celsius
Percent Volatiles:	1.5%
VOC Content:	1.5%

SECTION X: STABILITY AND REACTIVITY

Reactivity: Product considered to be non-reactive under normal use conditions.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reaction: Hazardous polymerization does not occur.

Conditions to Avoid: Contact with incompatible materials. Do not freeze. Do not mix with other chemicals.

Incompatible Materials: Strong oxidizing agents. Acids/bases.

Hazardous Decomposition: No hazardous decomposition products are known.

SECTION XI: TOXICOLOGICAL INFORMATION

Chemical Name	Oral LD50	Dermal LD50
CT 3200 Sanitizer / Disinfectant	1,850 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)

Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation.

SYMPTOMS OF EXPOSURE

Eye Contact: Causes serious eye damage.

Skin Contact: Causes skin irritation.

Inhalation: May cause nose, throat and lung irritation.

Ingestion: Causes digestive tract burns.

IMMEDIATE, DELAYED, CHRONIC EFFECTS

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

Chronic Effects: Health injuries are not known or expected under normal use.

Carcinogenicity: No components present at 0.1% or greater are listed to be carcinogens by ACGIH, IARC, NTP or OSHA.

SECTION XII: ECOLOGICAL INFORMATION**ECOTOXICITY**

Toxicity To Fish: No data available.

Toxicity To Daphnia and Other Aquatic Invertebrates: No data available.

Persistence and Degradability: No data available.

Ingredients Name	Fish (96 h KC50)	Microtoxicity	Crustacea (48 h EC50)
1-decanaminium, n,n-dimethyl-n-octyl-, Chloride	1 mg/l		0.1 mg/l
Didecyldimethylammoniumchloride	1 mg/l		
Quaternary Ammonium Compounds			0.0059 mg/l
Benzyl-C12-C16-alkyldimethyl, Chlorides			

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

SECTION XIII: DISPOSAL CONSIDERATIONS

Disposal of Waste: This product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of waste in approved disposal facility.

Contaminated Packaging: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

SECTION XIV: TRANSPORT INFORMATION

DOT:

UN/ID #: 1903

Proper Shipping Name: Disinfectant, Liquid, Corrosive, N.O.S., (Quaternary Ammonium Compound).

Hazard Class: 8

Packing Group: II

SECTION XV: REGULATORY INFORMATION

EPA Reg. Number: 10324-117-84498

CERCLA Reportable Quantity: This product does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity: Not regulated.

SARA 311/312 Hazards: Acute Health Hazard.

SARA Title 313: Not regulated.

CHEMICAL NAME	CAS NO.	MAXIMUM CONCENTRATION	COMMENT
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No ingredients listed in this section.

Reportable Quantities/Threshold Planning Quantities:

CERCLA requires notification of the National Response Center (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs) SARA 302/304 requires emergency planning, including agency notification, for possible release of the following components of this product, based upon the Threshold Planning Quantities (TPQs) and/or release of Reportable Quantities.

CHEMICAL NAME	REPORTABLE QUANTITY	THRESHOLD PLANNING QUANTITY (TPQ)
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No ingredients listed in this section.

STATE & PROVINCIAL RIGHT TO KNOW & SELECTED REGULATORY LISTS

California Prop 65: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

TSCA Status: While all ingredients are listed on the TSCA Chemical Inventory, this product is regulated as a pesticide under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Other Chemical Inventories: All components of this product are listed on the following inventories: Canada (DSL), European Union, China, Korean and Philippines. One or more ingredients are not listed on the following inventories: Australia and Japan.

SECTION XVI: OTHER INFORMATION

Issue Date: 06/01/15

HAZARD RATINGS:

NFPA:	Health: 3	Flammability: 0	Reactivity: 0
HMIS:	Health: 3	Flammability: 0	Physical Hazards: 0

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