Safety Data Sheet DRAIN-TAIN, CM

Supercedes Date 11/09/2015 **Issuing Date** 10/27/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name DRAIN-TAIN, CM
Recommended use Disinfectants and general biocidal products
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 1633
Chemical nature Aqueous solution
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Colorless Red Light yellow **Physical state** Liquid **Odor** Characteristic

GHS
Classification
Physical Hazards
None

Health Hazard

Acute Oral Toxicity	Category 4
Acute Dermal Toxicity	Category 4
Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1

Other hazards
None

Labeling
Signal Word
DANGER

Hazard statements
H314 - Causes severe skin burns and eye damage
H312 - Harmful in contact with skin
H302 - Harmful if swallowed

Precautionary Statements
P280 - Wear protective gloves, protective clothing, eye protection and face protection.
P260 - Do not breathe mist
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P270 - Do not eat, drink or smoke when using this product.
P332 + P313 - If skin irritation occurs, get medical attention.
P363 - Wash contaminated clothing before reuse.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a physician.
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311 - If experiencing respiratory symptoms, call a physician.
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P501 - Dispose of contents and container to an approved waste disposal plant.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
n-Alkyl(C12-C16) dimethyl benzyl ammonium chloride	68424-85-1	1-5
Cocamidopropyl betaine	61789-40-0	1-5

Octyl decyl dimethyl ammonium chloride	32426-11-2	1-5
Dioctyl dimethyl ammonium chloride	5538-94-3	1-5
Didecyl dimethyl ammonium chloride	7173-51-5	1-5

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice Do not get in eyes, on skin or on clothing. Do not breathe vapors or spray mist.

Eye Contact Hold the eye open and rinse slowly and gently for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes of treatment, then continue rinsing the eye. Call a Poison Control Center or a doctor for treatment advice.

Skin Contact Take off all contaminated clothing immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.

Inhalation Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Call a physician or poison control center immediately.

Ingestion Call a physician or poison control center immediately. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Notes to physician The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash **Method** Seta closed cup

Flammability Limits in Air %: Mixture. **Upper:** 19 **Lower:** 3.3

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO2). Foam. Alcohol-resistant foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

NFPA	**Health** 3	**Flammability** 0	**Instability** 0
HMIS	**Health** 3	**Flammability** 0	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental Precautions Do not flush into surface water or sanitary sewer system.

Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

Neutralizing Agent None known.

7. HANDLING AND STORAGE

Handling Do not get in eyes, on skin or on clothing. Do not breathe vapors or spray mist.

Storage Store in original container. Keep container tightly closed in a dry and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

Storage Temperature **Minimum** 35 °F / 2 °C **Maximum** 120 °F / 49 °C

Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

- **Eye/Face Protection** Tightly fitting safety goggles. Face-shield.
- **Skin Protection** Wear suitable protective clothing, Impervious gloves.
- **Respiratory Protection** In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Viscosity**	Non viscous
Color	Colorless Red Light yellow	**Odor**	Characteristic
Odor Threshold	Not applicable	**Appearance**	Transparent
pH	5.3	**Specific Gravity**	0.99
Evaporation Rate	0.55 (Butyl acetate=1)	**Percent Volatile (Volume)**	85.8
VOC Content (%)	1.3	**VOC Content (g/L)**	12
Vapor Pressure	17.6 mmHg @ 70°F	**Vapor Density**	0.6 (Air = 1.0)
Solubility	Completely soluble	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	>212 °F / >100 °C	**Flammability (solid, gas)**	No data available
Flash Point	Does not flash	**Method**	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Mixture	**Upper:** 19 **Lower:** 3.3	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition.
Incompatible Products	Anionic surfactants.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx).
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure	Skin contact, Eye contact, Inhalation.
Primary Routes of Entry	Skin contact, Ingestion, Skin Absorption.
Acute Effects:	
Eyes	Corrosive to the eyes and may cause severe damage including blindness.
Skin	Causes skin burns. Harmful in contact with skin.
Inhalation	Harmful by inhalation. Causes burns.
Ingestion	Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tracts.
Chronic Toxicity	Inhaled corrosive substances can lead to a toxic edema of the lungs.
Target Organ Effects	None known.
Aggravated Medical Conditions	None known.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
n-Alkyl(C12-C16) dimethyl benzyl ammonium chloride 68424-85-1	No data available	= 1420 mg/kg (Rat)	No data available	No data available	No data available
Cocamidopropyl betaine 61789-40-0	= 4900 mg/kg (Rat)	no data available	No data available	No data available	No data available
Didecyl dimethyl ammonium chloride 7173-51-5	= 84 mg/kg (Rat)	no data available	No data available	No data available	No data available

Chronic Toxicity None known

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficien

n-Alkyl(C12-C16) dimethyl benzyl ammonium chloride	No information available.	LC50 = 2.4 mg/L Oryzias latipes 96 h LC50 0.823 - 1.61 mg/L Oncorhynchus mykiss 96 h LC50 = 1.3 mg/L Poecilia reticulata 96 h LC50 0.223 - 0.46 mg/L Lepomis macrochirus 96 h	No information available	No information available.	N/A
Cocamidopropyl betaine	EC50 1.0 - 10.0 mg/L Desmodesmus subspicatus 72 h EC50 = 0.55 mg/L Desmodesmus subspicatus 96 h	LC50 1.0 - 10.0 mg/L Brachydanio rerio 96 h LC50 = 2 mg/L Brachydanio rerio 96 h	No information available	6.5: 48 h Daphnia magna mg/L EC50	N/A

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name Disinfectant Liquid Corrosive, N.O.S.
Hazard Class 8
UN-No UN1903
Packing Group II
Description UN1903, Disinfectant, Liquid, N.O.S.,(Quaternary Ammonium Compound),8, PG II **Exceptions may exist under CFR49 173.154.

TDG
Proper shipping name Disinfectant Liquid Corrosive, N.O.S.
Hazard Class 8
UN-No UN1903
Packing Group II
Description UN1903, Disinfectant, Liquid, N.O.S.,(Quaternary Ammonium Compound),8, PG II

ICAO
UN-No UN1903
Proper Shipping Name Disinfectant Liquid Corrosive, N.O.S.
Hazard Class 8
Packing Group II
Shipping Description UN1903, Disinfectant, Liquid, N.O.S.,(Quaternary Ammonium Compound),8, PG II

IATA
UN-No UN1903
Proper Shipping Name Disinfectant Liquid Corrosive, N.O.S.
Hazard Class 8
Packing Group II
ERG-Code 8L
Shipping Description UN1903, Disinfectant, Liquid, N.O.S.,(Quaternary Ammonium Compound),8, PG II

IMDG/IMO
Proper Shipping Name Disinfectant Liquid Corrosive, N.O.S.
Hazard Class 8
UN-No UN1903
Packing Group II
EmS No. F-A, S-B
Description UN1903, Disinfectant, Liquid, N.O.S.,(Quaternary Ammonium Compound),8, PG II

15. REGULATORY INFORMATION

Inventories
TSCA Complies

DSL Complies

U.S. Federal Regulations

FIFRA

This chemical is a pesticide product registered by the US EPA and is subject to certain labeling requirements under federal pesticide laws. These requirements differ from the classification criteria and hazard information required for SDSs, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

DANGER
Corrosive
Causes irreversible eye damage and skin burns.
Harmful if swallowed, inhaled or absorbed through the skin.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	No	No	No

CERCLA

16. OTHER INFORMATION

Prepared By	Adrienne McKee
Supercedes Date	11/09/2015
Issuing Date	10/27/2016
Reason for Revision	SDS sections updated
Glossary	No information available.
List of References.	No information available.

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