

**CETYLITE®**

SAFETY DATA SHEET

Cetylcode-G

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 Trade Name (as labeled):

Cetylcode-G

Synonyms:

Glutaraldehyde, 50% Aqueous Solution

CAS No:

Mixture

1.2 Product Use:

High-level disinfectant/sterilant

1.3 Company Name:

Cetylite

Company Address:

9051 River Road

Company Address Cont:

Pennsauken, NJ 08110

Business Phone:

(800) 257-7740 or (856) 665-6111

Website:

www.cetylite.com

1.4 Emergency Telephone Number:

(800) 257-7740

Date of Current Revision:

August 15, 2016

Date of Last Revision:

June 3, 2013

SECTION 2 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is a transparent green liquid with a floral odor. Corrosive: May cause irreversible eye damage. Causes burns. Harmful if inhaled. May be fatal if swallowed. Harmful if absorbed through skin. Prolonged or repeated skin contact may cause allergic skin reaction in some individuals. Aspiration hazard. Can enter lungs and cause damage. Exposure to mist/vapor may cause respiratory irritation.

This product is a non-flammable liquid.

The Environmental effects of this product have not been investigated. Release of this product is anticipated to have adverse effects in the aquatic environment.

US DOT Symbols:



EU and GHS Symbols:

Signal Word:

Danger!

2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 or the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:

Index Number:

EC# 203-856-5 Annex I Index# 605-022-00-X

EC# 231-791-2 this substance is not classified in the Annex I of Directive 67/548/EEC

Substances not listed either individually or in group entries must be self classified.

Components Contributing to Classification: Glutaraldehyde 50%

2.2 Label Elements:

GHS Hazard Classifications:

Acute Toxicity Category 3 (Inhalation, Oral)

Skin Corrosion/Irritation Category 1B

Respiratory Sensitizer Category 1

Skin Sensitizer Category 1

Acute Aquatic Toxicity Category 1

Hazard Statements:

H301: Toxic if swallowed

H331: Toxic if inhaled

H314: Causes severe skin burns and eye damage

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

H317: May cause allergic skin reaction

H400: Very toxic to aquatic life

Prevention Statements:

P260: Do not breathe dusts or mists.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash hands thoroughly after handling
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 P284: [In case of inadequate ventilation] wear respiratory protection.
 P273 Avoid release to the environment

Response Statements:

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P330: Rinse mouth.
 P363: Wash contaminated clothing before reuse.
 P302+ P352 IF ON SKIN: Wash with plenty of water.
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing and wash it 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.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
 P391: Collect spillage
 P312: Call a POISON CENTER/doctor if you feel unwell.
 P403+P233: Store in well-ventilated place. Keep container tightly closed.
 P405: Store locked up.

Storage Statements:**Disposal Statements:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other Hazards:

None Applicable

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS No.	EINECS No.	Hazard Classification
Glutaraldehyde 50%	<50%	111-30-8	203-856-5	Acute Tox Cat 3 (Oral, Inhalation), Skin Corr Cat 1B, Skin Sensitization Cat 1, Respiratory Sensitization Cat 1, Aquatic Acute Cat 1
Water	<50%	7732-18-5	231-791-2	Not Classified
Green Floral Fragrance	<5%	Proprietary	Proprietary	Not Classified

Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

* Proprietary ingredients are Company Trade Secret - Business Confidential. Cetylite is withholding the specific chemical identity under provision of the OSHA Hazard Communication Rule Trade Secrets (1910.1200(i)(1)). The specific chemical identity will be made available to health professionals in accordance with 29 CFR 1910.1200 (i)(1) (2) (3) (4)..

Note: All WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250:2000

SECTION 4 - FIRST AID MEASURES**4.1 Description of First Aid Measures:****Eye Contact:**

If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Remove contacts if present and easy to do. Seek medical attention if irritation persists.

Skin Contact:

Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

Inhalation:

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

Ingestion:**Medical Conditions Generally Aggravated by Exposure:****4.2 Symptoms and Effects Both Acute and Delayed:****4.3 Recommendations to Physicians:****SECTION 5 - FIRE FIGHTING MEASURES****5.1 Fire Extinguishing Materials:**

Use the following fire extinguishing materials:

Water Spray: Yes **Carbon Dioxide:** Yes
Foam: Yes **Dry Chemical:** Yes
Halon: Yes **Other:** Any "C" Class

5.2 Unusual Fire and Explosion Hazards:

Under fire conditions some components may decompose. The smoke may contain unidentified toxic and/or irritating compounds. The material will not burn until the water has evaporated.

Explosive Sensitivity to Mechanical Impact:

No

Explosive Sensitivity to Static Discharge:

No

5.3 Special Fire-Fighting Procedures:

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.
- Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.
- If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM		HMIS RATING SYSTEM				
Flammability Health Reactivity Other 0 3 - 0		HAZARDOUS MATERIAL IDENTIFICATION SYSTEM				
		HEALTH HAZARD (BLUE)	3			
		FLAMMABILITY HAZARD (RED)	0			
		PHYSICAL HAZARD (YELLOW)	0			
		PROTECTIVE EQUIPMENT				
		EYES	RESPIRATORY	HANDS	BODY	
			See Sect 8			See Sect 8
		For Routine Industrial Use and Handling Applications				
Hazard Scale: 0 = Minimum 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard						

SECTION 6 - ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

Cetylite

Cetylcide-G

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

6.2 Environmental Precautions:

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 Spill and Leak Response:

Small Spills:

- Collect material via broom or mop. Place in tightly sealed container for proper disposal. Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material.
- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

Large Spills:

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Do not handle or store near heat, sparks, or flame.

7.2 Storage and Handling Practices:

Keep away from incompatible materials. Keep container closed when not in use and store in well ventilated area.

7.3 Specific Uses:

High-level disinfectant / sterilant.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Exposure Parameters:

<u>Ingredients</u>	<u>CAS No.</u>	<u>OSHA PEL</u>	<u>NIOSH PEL</u>
Glutaraldehyde 50%	111-30-8	0.8 mg/m ³ Ceiling	0.2 mg/m ³ Ceiling
Water	7732-18-5	Not Listed	Not Listed
Green Floral Fragrance	Proprietary	Not Listed	Not Listed

8.2 Exposure Controls:

Ventilation and Engineering Controls:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132), or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection:

Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Safety glasses or goggles are recommended.

Eye Protection:

If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

Hand Protection:

Chemical resistant gloves are recommended to prevent skin contact.

If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

Body Protection:

Use body protect appropriate to task being performed.

If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on Basic Physical and Chemical Properties:****Appearance (Physical State and Color):** Transparent green liquid with a floral odor.**Odor:** Floral odor**Odor Threshold:** No data available**pH:** Not Available**Melting/Freezing Point:** No data available**Boiling Point:** 212°F**Flash Point:** No data available**Evaporation Rate:** No data available**Flammability (Solid; Gas):** No data available**Upper/Lower Flammability or Explosion Limits:** No data available**Vapor Pressure (mm Hg @ 20°C (68° F):** No data available**Vapor Density:** No data available**Relative Density:** Not Available**Specific Gravity:** >1.00 @20°C**Solubility in Water:** No data available**Weight per Gallon:** No data available**Partition Coefficient (n-octanol/water):** No data available**Auto-Ignition Temperature:** No data available**Decomposition Temperature:** No data available**Viscosity:** No data available**9.2 Other Information:**

No data available

SECTION 10 - STABILITY AND REACTIVITY**10.1 Reactivity:**

This product is not reactive.

10.2 Stability:

Stable under conditions of normal storage and use.

10.3 Possibility of Hazardous Reactions:

Not identified.

10.4 Conditions to Avoid:

Contact with incompatible materials, extreme temperatures.

10.5 Incompatible Substances:

Strong acids.

10.6 Hazardous Decomposition Products:

When heated to decomposition this product may contain unidentified toxic and/or irritating compounds.

SECTION 11 - TOXICOLOGICAL INFORMATION**11.1 Information on Toxicological Effects:****Toxicity Data:**

Product Mixture	LD50 Oral – Rat	200 mg/kg
	LD50 Dermal – Rabbit	1749 mg/kg

Acute toxicity	Acute Toxicity Category 3 (Inhalation, Oral)
Skin corrosion / irritation	Skin Corrosion/Irritation Category 1B
Serious eye damage / irritation	Based on available data, the classification criteria are not met
Respiratory or skin sensitization	Respiratory Sensitizer Category 1, Skin Sensitizer Category 1
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	STOT SE Category 3
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

Routes of Exposure:**Symptoms of Overexposure by Route of Exposure:**

The most significant routes of overexposure for this product are by contact with skin or eyes, ingestion or inhalation. The symptoms of overexposure are described in the following paragraphs.

Acute:

Inhalation: Inhalation of vapors may severe irritation of the upper respiratory system. Vapor may cause serious adverse effects including death. May cause allergic reaction.

Skin Contact: Brief contact with skin may cause skin irritation with local redness. Prolonged contact may cause severe skin burns. Skin contact may cause allergic skin reaction

Eye Contact: Vapours and direct contact to the eyes may be irritating.

Ingestion: Swallowing may result in irritation or burns of the mouth, throat and gastrointestinal system. May be fatal if swallowed.

Chronic: None known

Target Organs:

Acute: Skin, Respiratory System
Chronic: None known

Suspected Cancer Agent:**Irritancy:****Sensitization to the Product:****Germ Cell Mutagenicity:****Reproductive Toxicity:**

None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies. Contact with this product can be irritating to exposed skin, eyes and respiratory system.

This product is expected to cause skin and respiratory sensitization. This product does not contain ingredients that are suspected to be a germ cell mutagenic.

This product is not expected to be a human reproductive toxicant.

SECTION 12 - ECOLOGICAL INFORMATION**12.1 Toxicity:**

No specific data available on this product.

12.2 Persistence and Degradability:

No specific data available on this product.

12.3 Bioaccumulative Potential:

No specific data available on this product.

12.4 Mobility in Soil:

No specific data available on this product.

12.5 Results of PBT and vPvB Assessment:

No specific data available on this product.

12.6 Other Adverse Effects:

No data available.

12.7 Water Endangerment Class:

At present, there are no ecotoxicological assessments for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods:**

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Australia, EU Member States and Japan.

13.2 EU Waste Code:

Not determined

SECTION 14 - TRANSPORTATION INFORMATION**14.1 U.S. Department of Transportation (DOT) Shipping Regulations:**

This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

UN Identification Number:

UN2922

Proper Shipping Name:

Corrosive liquid, Toxic, n.o.s. (Contains Glutaraldehyde 50%)

Hazard Class Number and Description:

Class 8 Corrosive, Sub Class 6.1 Toxic

Packing Group:

PGII

DOT Label(s) Required:

Class 8 Corrosive, Sub Class 6.1 Toxic

North American Emergency Response Guidebook Number:

154

14.2 Environmental Hazards:**Marine Pollutant:**

One of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

14.3 Special Precaution for User:

None

14.4 International Air Transport Association Shipping Information (IATA):

This product is considered as dangerous goods.

14.5 International Maritime Organization Shipping Information (IMO):

This product is considered as dangerous goods.

SECTION 15 - REGULATORY INFORMATION**15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:**United States Regulations:**U.S. SARA Reporting Requirements:**

The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act. None known

U.S. SARA 311/312:

Acute Health: Yes; Chronic Health: No; Fire: No; Reactivity: No

U.S. SARA 313: None known**U.S. CERCLA Reportable Quantity:**

None known

U.S. TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory or are exempted from listing.

Other U.S. Federal Regulations:

None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not contain ingredients on the Proposition 65 Lists.

15.2 Canadian Regulations:**Canadian DSL/NDL Inventory Status:**

Components are DSL Listed, NDL Listed and/or are exempt from listing

Other Canadian Regulations:

Not applicable

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

Canadian WHMIS Classification and Symbols:

Classified per WHMIS 2015 Controlled Product Regulations.

15.3 European Economic Community Information:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.

Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.4 Australian Information for Product:

Components of this product are listed on the International Chemical Inventory list.

15.5 Japanese Information for Product:

Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

15.6 International Chemical Inventories:

Listing of the components on individual country Chemical Inventories is as follows:

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

U.S. TSCA: Listed

SECTION 16 - ADDITIONAL INFORMATION

Prepared By: Chris Eigbrett (MSDS to GHS Compliance)

Date of Printing: August 15, 2016

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. Cetylite assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Cetylite assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

END OF SDS SHEET