



Revision Date: 2-February-2015

Safety Data Sheet

Care Labs, Inc.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier**Product Name:** BIOCID PLUS**Product Number:** LGC10G**Recommended Use:** Disinfectant**Uses Advised Against:** For Industrial and Institutional Use Only**Manufacturer/Supplier:** Care Labs, Inc.

P.O Box 637

Missouri City, TX 77459

(800) 835-9501

www.carelabs.com

24 Hour Emergency Phone Numbers:

- **Medical Emergency/Information: 800-633-8253**
- **Transportation/Spill/Leak: 800-633-8253**

2. HAZARDS IDENTIFICATION

GHS Classification

Acute Toxicity - Oral: Category 4

Skin Corrosion/Irritation: Category 1 Sub-category B

Serious Eye Damage/Eye Irritation: Category 1

GHS Label Elements**Signal Word:** Danger**Hazard Statements:**

- Harmful if swallowed.
- Causes severe skin burns and serious eye damage.

Precautionary Statements:**Prevention:**

- Wash hands and any exposed skin thoroughly after handling.
- Do not eat, drink or smoke when using this product
- Do not breathe mist, vapors or spray.
- Wear protective gloves. Wear eye / face protection. Wear protective clothing.
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Response: IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.**Eyes IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**Skin IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.**Inhalation: IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.**Ingestion: IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.

Specific Treatment:

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

Storage: Store locked up.

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

Symbols:

Hazards Not Otherwise Classified: Not Applicable

Other Information:

- Corrosive.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.
- NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Classification for the diluted product at 1:32 (4 oz. per gallon) and less: This product, when diluted as stated on the label is not classified as hazardous according to the 2012 OSHA Hazard Communication Standard, 29 CFR 1910.1200 (HazCom 2012-GHS)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
didecyldimethylammonium chloride	7173-51-5	4-7
Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyl dimethyl benzyl ammonium chloride	68424-85-1	3-5
Ethanol	64-17-5	1.06 - <2.12
Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	1.44 – 1.60
Ethoxylated Alcohol	68439-46-3	1-3

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**Undiluted Product:**

-Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

-Skin Contact: Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse.

-Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

-Ingestion: Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.

Note to Physicians: NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Diluted Product:

-Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

-Skin Contact: Wash off immediately with plenty of water. Wash skin with soap and water.

-Inhalation: Move to fresh air.

-Ingestion: Clean mouth with water and drink afterwards plenty of water.

Note to Physicians: Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire

Specific Hazards Arising from the Chemical:

Dried product is capable of burning. Combustion products are toxic.

Hazardous Combustion Products: May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

Protective Equipment and Precautions for Firefighters:

Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

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 Clean-Up: Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: .

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Ethanol alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³

Engineering Controls: Provide good general ventilation.

If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered. Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.

Personal Protective Equipment

Eye/Face Protection: Wear splash goggles.

Skin and Body Protection: Wear rubber or other chemical-resistant gloves.

Respiratory Protection: Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

General Hygiene Considerations: Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

Diluted Product:

Eye/face protection: Avoid contact with eyes. **Skin and body protection:** Wear protective gloves and protective clothing if needed. **Respiratory protection:** No protective equipment is needed under normal

use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene: Handle in accordance with good industrial hygiene and safety practice

10. STABILITY AND REACTIVITY

Reactivity: This material is considered to be non-reactive under normal conditions of use.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Not expected to occur with normal handling and storage.

Conditions to Avoid: Extremes of temperature and direct sunlight.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State: Liquid

Color: Green

Odor: Mild Citrus fragrance

pH: 7.5-8.5

Melting Point / Freezing Point: water.

Boiling Point / Boiling Range: 100 °C / 212 °F

Flash Point: > 100 °C / > 212 °F

Evaporation Rate: < 1 (Butyl acetate = 1)

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: No information available.

Specific Gravity: 1.00

Solubility(ies): Soluble in water

Partition Coefficient: No information available.

Autoignition Temperature: No information available.

Decomposition Temperature: No information available.

Viscosity: No information available.

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Incompatible Materials: Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products:

May include carbon monoxide, carbon dioxide (CO₂) and other toxic gases or vapors.

11. TOXICOLOGICAL INFORMATION

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

Symptoms of Exposure:

Eye Contact: Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.

Skin Contact: Pain, redness, blistering and possible chemical burn.

Inhalation: Nasal discomfort and coughing. Irritation or damage to the mucus membranes of the respiratory tract.

Ingestion: Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.

Immediate, Delayed, Chronic Effects

Product Information: Data not available or insufficient for classification.

Chronic Toxicity: May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Contains a known or suspected reproductive toxin.

Target Organ Effects: Blood. Central nervous system. -Eyes. Liver. Reproductive System. Respiratory System. Skin.

Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document..

ATEmix (oral): 1016 mg/kg, ATEmix (dermal): 7198 mg/kg, ATEmix (inhalation-dust/mist): 5.9 mg/l

Component Acute Toxicity Information**Chemical Name Oral LD50 Dermal LD50 Inhalation LC50**

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
didecyltrimethylammonium chloride 7173-51-5	84 mg/kg (Rat)	Not Available	Not Available
Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyl dimethyl benzyl ammonium chloride	426 mg/kg (Rat)	Not Available	Not Available
Ethanol	7060 mg/kg (Rat)	Not Available	124.7 mg/L (Rat) 4h
Ethylenediaminetetraacetic acid,tetrasodium salt	10 g/kg (Rat)	Not Available	Not Available
Ethoxylated Alcohol	1378 mg/kg (Rat)	>2 g/kg (Rabbit)	Not Available

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

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxic to Microorganisms	Crustacea
Ethanol 64-17-5	Not Available	12.0 – 16.0 96h	Not Available	9268-14221 48h Daphnia magna LC50 10800:24 h Daphnia magna mg/L, EC50 2:48h Daphnia magna mg/L EC50 Static
Ethylenediaminetetraacetic acid,tetrasodium salt 64-02-8	1.01:72 h Desmodesmus subspicatus mg/L EC50	41:96 h Lepomis macrochirus mg/l LC50 static 59.8 96 h pimephales promelas mg/L LC 50 static	Not Available	610 24 h Daphnia magna mg/L EC50

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Other Adverse Effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Dispose of in accordance with federal, state and local regulations.

Contaminated Packaging: Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT:

UN/ID No: UN1903, **Proper Shipping Name:** UN1903, Disinfectants, Liquid, Corrosive N.O.S. (Quaternary Ammonium Compound) 8, PGIII. **Hazard Class:** 8. **Packing Group:** III.

Special Provisions: Exceptions 49CFR 173.154 Consumer Commodity In inner packings not over 1.3 gallons each net capacity. Requires ORM-D Label.

15. REGULATORY INFORMATION

TSCA Status (Toxic Substance Control Act Section 8(b) Inventory): All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA 313

This product does not contain listed substances above the "de minimus" level

SARA 311/312 Hazard Categories

Acute Health Hazard: Yes

Chronic Health Hazard: No

Fire Hazard: No

Sudden release of pressure hazard: No

Reactive Hazard: No

California Proposition 65

This product has been evaluated and does not require warning labeling under California Proposition 65.

This product contains the following Proposition 65 chemicals:

Chemical Name	California Proposition 65
Ethanol (Alcohol) CAS- 64-17-5	Carcinogen Developmental

EPA Statement: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label:

Danger. Keep out of reach of children. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

16. OTHER INFORMATION

Revision Date: 2-February-2016; Edition 4. Supersedes 12-October-2015; Edition 3

Reasons for Revision: Updated Transport Information.

NFPA:

Health Hazards: 3	Flammability: 0	Instability: 0	Special: N/A
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HMIS:

Health Hazards: 3	Flammability: 0	Physical Hazards: 0
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Disclaimer: The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet