



Safety Data Sheet Care Labs, Inc.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: BIOCIDE PLUS

Product Number: LGC10G

Recommended Use: Disinfectant. Refer to EPA registered label for Product dilution/application directions. Uses other than those identified are not recommended.

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

Classification of Product at Use-Dilution

Not Classified

GHS Label Elements

Signal Word: Danger



Hazard Statements:

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

Precautionary Statements:

Prevention:

Do not get in eyes, on skin, or on clothing

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.

Response:

IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

Specific Treatment:

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

Storage

Keep container tightly closed. Keep only in original container

Disposal:

Dispose of contents and container to an approved waste disposal plant

Classification for the diluted product at 4.5 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 %
Didecyl dimethyl ammonium chloride	7173-51-5	8.3-8.87%
Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	
Tetrasodium EDTA	64-02-8	1.44 – 1.60%
Nonionic Surfactant or Lauryldimethy amine oxide	68439-46-3 or 68131-39-5 1643-20-5	<=1.3 %
Ethanol	64-17-5	<1.5%
Other components	Not classified	balance

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

Product at Use-Dilution

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

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

First Aid Product at Use-Dilution

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Skin contact: No known effect after skin contact. Rinse with water for a few minutes.

Ingestion: Get medical attention if symptoms occur

If inhaled: No special measures required. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point and Method: None

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

Specific Hazards Arising from the Chemical:

Combustion products are toxic.

Hazardous Combustion Products: May include Carbon monoxide Carbon dioxide and Nitrogen Oxides.

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.

Specific firefighting methods: No special methods required. Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side. Contain the extinguishing fluids by diking.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes or clothing. Spill area may be slippery. Wear appropriate protective equipment (See Section 8).

Environmental Precautions:

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

Methods for Clean-Up: Stop the leak if safe to do so. 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).

Product at Use-Dilution

Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Do not spray toward face. Wash affected areas after use. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Wear appropriate protective equipment. Wash thoroughly after handling.

Product at Use-Dilution

Avoid contact with eyes, skin and clothing. 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.

Product at Use-Dilution

Keep out of reach of children. Keep container tightly closed.

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. Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained. 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 for UNDILUTED Biocide Plus

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.

Personal Protective Equipment of Biocide Plus at Use-Dilution

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application.

Respiratory protection: A respirator is not needed under normal and intended conditions of use.

Hand protection: Wear disposable impervious gloves where there may be incidental prolonged contact with the skin.

Eye protection: No protective equipment is needed under normal use conditions. Avoid contact with eyes. Wear eye protection if contact may occur.

Skin and body protection: No protective equipment is needed under normal use conditions. Avoid skin contact. Wear protective gloves and protective clothing if needed.

Hygiene measures: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored
- 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet
- 3) Wash exposed skin promptly to remove accidental splashes or contact with product

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State: Liquid

Color: Green

Odor: Mild Citrus fragrance

pH: 6.0-8.0

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.

Product at Use-Dilution

Appearance: Clear very light green solution

Odor: Lightly fragrant

pH: 6-8

Flash point: Does not flash

10. STABILITY AND REACTIVITY

Reactivity: No information available.

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

Incompatible Materials: Anionic Surfactants. Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products: Oxides of carbon and nitrogen

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

11. TOXICOLOGICAL INFORMATION

Product as sold. Undiluted/Neat. Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation.

Symptoms of Exposure:

Eye Contact: Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision.

Skin Contact: Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain(which may be delayed).

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

Ingestion: Harmful if swallowed. **Causes damage** or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and/or feeling of general unwellness.

Sensitization: No known effects.

Immediate, Delayed, Chronic Effects

Causes severe skin burns and serious eye damage. Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea, Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly digestive tract. Vapors and spray may irritate throat and respiratory system and cause coughing.

No data available for teratogenicity, mutagenicity, or reproductive toxicity of this product. No data available to designate product as an aspiration hazard. No data available to designate product as causing specific target organ toxicity through repeated exposure.

Product at Use-Dilution

Information on likely routes of exposure:

Eye Contact: May cause eye irritation. Symptoms may include irritation, watering, redness.

Skin Contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Sensitization: No known effects

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: This product does not contain any ingredient designated as probable or suspected human carcinogen by IARC, ACGIH

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic Toxicity Toxic to aquatic life

Persistence and Degradability: No information available.

Bioaccumulation: No bioaccumulation is to be expected. (log Pow<=4)

Other Adverse Effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Dispose of in accordance with federal, state and local regulations. Pesticide wastes are acutely hazardous. If these wastes can not be disposed of by use according to label instructions, contact your State Pesticide or Environmental control agency or the or the Hazardous Waste Representative at the nearest EPA Office for guidance.

Contaminated Packaging: Remove all residue when emptying.

Product at Use-dilution

Product disposal Diluted product can be flushed to sanitary sewer

Packaging Discard empty container in trash or offer for recycling

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.

Product at Use-Dilution

DOT Hazard Classification: Not applicable

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 is not subject to warning labeling under California Proposition 65.

Ethanol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

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: 12-December-2022 Reasons for Revision: Update. Removed Ethanol from Prop 65 as it only listed when ingested in alcoholic beverages. New Information..

Product as sold:

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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Product at Use-Dilution

NFPA:

Health Hazards: 1 slight	Flammability: 0	Instability: 0	Special: N/A
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HMIS:

Health Hazards: 1 slight	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