

# SAFETY DATA SHEET

# PRORESTORE

PRODUCTS

Revision Date 03-Apr-2017  
Version 1.01

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product Identifier

Product name                      Mediclean Germicidal Cleaner Concentrate Lemon  
Product code                      LG-F1044-US

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use                Disinfectant Cleaner  
Restrictions on use              Professional Use Only  
EPA Registration Number        70385-6

Other Information                This SDS is reviewed as an US EPA registered product.

### 1.3 Details of the supplier of the safety data sheet

Supplier                            Legend Brands  
  ProRestore Products  
  15180 Josh Wilson Road  
  Burlington, WA 98233  
  800-932-3030

### 1.4 Emergency telephone number

Emergency telephone number    INFOTRAC 1-800-535-5053 (North America)  
  1-352-323-3500 (International)

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

#### OSHA Regulatory Status

This product is regulated by EPA- not subject to 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

### 2.2 Label elements

#### Signal Word

Danger

#### Hazard Statements

Causes severe skin burns and eye damage



**Precautionary Statements - Prevention**

Do not breathe dusts or mists  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 Immediately call a POISON CENTER or doctor  
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**2.3. Other Hazards Hazards not otherwise classified (HNOC)**

Not Applicable

**2.4 Other information**

Not Applicable

**Unknown Acute Toxicity**

3.58650399% of the mixture consists of ingredient(s) of unknown toxicity

**3. Composition/Information on Ingredients**

**Substance**  
**Mixture**

Chemical Name	CAS No.	Weight-%
QUATERNARY AMMONIUM COMPOUNDS, DI-C8-10-ALKYLDIMETHYL, CHLORIDES	68424-95-3-LB	1 - 5
Ammonium chloride compound	68424-85-1-LB	1 - 5
TETRASODIUM EDTA	64-02-8	1 - 5
Ethanol	64-17-5	1 - 5

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

**4. First aid measures**

**4.1 Description of first-aid measures**

**General advice**

When symptoms persist or in all cases of doubt seek medical advice.

**Eye contact**

Remove contact lenses, if present. Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention.

<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Use a mild soap if available.
<b>Inhalation</b>	Move to fresh air. Get medical attention immediately if symptoms occur.
<b>Ingestion</b>	Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention.

**4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms** See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Notes to physician** Treat symptomatically.

**5. Fire-Fighting Measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**  
Use water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical.

**Unsuitable Extinguishing Media** High volume water jet.

**5.2 Special hazards arising from the substance or mixture**

**Special Hazard**  
Hazardous decomposition products formed under fire conditions. Immediately place absorbent material in a sealed water-filled metal container to avoid spontaneous combustion of absorbent material contaminated with this product.

**Hazardous Combustion Products** No information available.

**Explosion Data**  
Sensitivity to Mechanical Impact None.  
Sensitivity to Static Discharge None.

**5.3 Advice for firefighters**

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

**6. Accidental Release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment.

**6.2 Environmental precautions**

Prevent product from entering drains. Do not allow material to contaminate ground water system.

**6.3 Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**7. Handling and storage**

**7.1 Precautions for safe handling**

**Advice on safe handling** Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas.

**Hygiene measures** When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from frost.

**Materials to Avoid** Metals.

**8. Exposure controls/personal protection**

**8.1 Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWAEV
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	STEL: 1000 ppm

**8.2 Appropriate engineering controls**

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

**8.3 Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and body protection** Long sleeved clothing.

**Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene measures** See section 7 for more information

**9. Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Physical state	Liquid		
Appearance	Clear liquid	Color	light yellow
Odor	Lemon	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	12.4	
Melting/freezing point		No information available
Boiling point/boiling range	102 °C / 216 °F	
Flash Point	94 °C / 201 °F	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity	1.01	
Water solubility	completely soluble	
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties		No information available
Oxidizing Properties		No information available

**9.2 Other information**

Volatile organic compounds (VOC) content 11 g/L

**10. Stability and Reactivity**

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions**

None under normal processing.

**10.4 Conditions to Avoid**

Protect from frost, heat and sunlight.

**10.5 Incompatible Materials**

Metals.

**10.6 Hazardous Decomposition Products**

None known.

**11. Toxicological information**

**11.1 Acute toxicity**

**Numerical measures of toxicity: Product Information**

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

**Unknown Acute Toxicity**                      3.58650399% of the mixture consists of ingredient(s) of unknown toxicity

Oral LD50    7,444.00 mg/kg  
 Dermal LD50                                        5,115.00 mg/kg  
 LC50 (Dust/Mist)                                78.90 mg/l  
 LC50 (Vapor)                                      551.00 mg/l

**Numerical measures of toxicity: Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
TETRASODIUM EDTA 64-02-8	1658 mg/kg ( Rat )	-	-
Ethanol 64-17-5	-	-	= 124.7 mg/L ( Rat ) 4 h

**11.2 Information on toxicological effects**

**Skin corrosion/irritation**

Product Information

- No information available

Component Information

- No information available

**Serious eye damage/eye irritation**

Product Information

- Causes serious eye damage

Component Information

- No information available

**Respiratory or skin sensitization**

Product Information

- No information available

Component Information

- No information available

**Germ cell mutagenicity**

Product Information

- No information available

Component Information

- No information available

**Carcinogenicity**

Product Information

- No information available

Component Information

- No information available

**Reproductive toxicity**

Product Information

- No information available

Component Information

• No information available

**STOT - single exposure**

No information available

**STOT - repeated exposure**

- May cause adverse liver effects
- Contains a known or suspected reproductive toxin

**Other adverse effects**

Product Information

• No information available

Component Information

• No information available

**Aspiration hazard**

Product Information

• No information available

Component Information

• No information available

**12. Ecological information**

**12.1 Toxicity**

Ecotoxicity

No information available

8.155 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
TETRASODIUM EDTA 64-02-8	EC50: 72 h Desmodesmus subspicatus 1.01 mg/L	LC50: 96 h Lepomis macrochirus 41 mg/L static LC50: 96 h Pimephales promelas 59.8 mg/L static	-
Ethanol 64-17-5	-	LC50: 96 h Oncorhynchus mykiss 12.0 - 16.0 mL/L static LC50: 96 h Pimephales promelas 100 mg/L static LC50: 96 h Pimephales promelas 13400 - 15100 mg/L flow-through	LC50: 48 h Daphnia magna 9268 - 14221 mg/L EC50: 48 h Daphnia magna 2 mg/L Static

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

Discharge into the environment must be avoided

Chemical Name	log Pow
Ethanol 64-17-5	-0.32

**12.4 Mobility in soil**

No information available.

**12.5 Other adverse effects**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been

notified in writing prior to the discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State water board or Regional office of the EPA.

**13. Disposal Considerations**

**13.1 Waste treatment methods**

Disposal of wastes: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes can not be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

70385-6 (containers equal to or less than 5 gallons) Container Disposal: Non-refillable container. Do Not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

70385-6 for container over 5 gallons Container Disposal: Non-refillable container. Do Not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local, by burning. If burned, stay out of smoke.

Contaminated packaging: Do not reuse container.

**14. Transport Information**

<u>DOT</u>	Not regulated
<u>MEX</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>IATA</u>	Not regulated

**15. Regulatory information**

**15.1 International Inventories**

TSCA	Complies
DSL	-
EINECS/ELINCS	Complies
ENCS	-
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies
NZIoC	-

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL - Canadian Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances
- NZIoC - New Zealand Inventory of Chemicals

**15.2 U.S. Federal Regulations**



**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

**15.3 Pesticide Information**

**EPA Pesticide Registration Number** 70385-6  
**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** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, protective clothing and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**15.4 U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Ethanol - 64-17-5	Carcinogen Developmental
Formaldehyde - 50-00-0	Carcinogen
Benzene - 71-43-2	Carcinogen Developmental Male Reproductive
Toluene - 108-88-3	Developmental Female Reproductive
Propylene Oxide - 75-56-9	Carcinogen
N-Nitrosodimethylamine - 62-75-9	Carcinogen
Acetaldehyde - 75-07-0	Carcinogen

**16. Other information**

<b>NFPA</b>	Health Hazard 3	Flammability 1	Instability 0	Physical and chemical hazards - Personal protection X
<b>HMIS</b>	Health Hazard 3	Flammability 1	Physical Hazard 0	

**Legend:**

- ACGIH (American Conference of Governmental Industrial Hygienists)
- Ceiling (C)
- DOT (Department of Transportation)
- EPA (Environmental Protection Agency)
- IARC (International Agency for Research on Cancer)
- International Air Transport Association (IATA)
- International Maritime Dangerous Goods (IMDG)
- NIOSH (National Institute for Occupational Safety and Health)
- NTP (National Toxicology Program)
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)
- PEL (Permissible Exposure Limit)
- Reportable Quantity (RQ)
- Skin designation (S\*)
- STEL (Short Term Exposure Limit)
- TLV® (Threshold Limit Value)
- TWA (time-weighted average)

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Revision Date 03-Apr-2017

**Revision Note**

No information available

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet