

Safety Data Sheet

1. Identification

Product Information.	109153 / 109158
Product Name:	Mediclean Disinfectant Cleaner Concentrate Lemon
Recommended Use.	Disinfectant
Uses advised against.	Professional Use Only
Supplier.	Legend Brands ProRestore Products 15180 Josh Wilson Road Burlington, WA 98233 E-Mail: sds@legendbrands.com 800-932-3030 Legend Brands 4520 Eastgate Parkway Mississauga, ON L4W 3W6 800-932-3030
Emergency telephone number.	INFOTRAC 1-800-535-5053 (North America) +1-352-323-3500 (International)

2. Hazards Identification

Classification in accordance with the Workplace Hazardous Materials Information System (WHMIS) 2015 based on the Hazardous Products Regulations (HPR).

Eye Irritation, category 2A

Skin Irritation, category 2

GHS Pictograms



Signal Word

Warning

Unknown Acute Toxicity

10.9% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS

Causes skin irritation.

Causes serious eye irritation.

Precautionary Statements - Prevention.

Wash face, hands and any exposed skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response.

IF ON SKIN: Wash with plenty of soap and water.

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

Specific treatment (see supplemental first aid instructions on this label).

If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Take off contaminated clothing and wash it before reuse.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>HMIRA</u>
QUATERNARY AMMONIUM COMPOUNDS, DI-C8-10-ALKYLDIMETHYL, CHLORIDES	68424-95-3	1-5	
Secondary alcohol ethoxylate Poly(ethylene oxide)	68131-40-8	1-5	
Ammonium chloride compound	68424-85-1	1-5	
TETRASODIUM EDTA	64-02-8	1-5	
Ethanol	64-17-5	0.5-1.5	

4. First-aid Measures

Description of first-aid measures.

General advice.

Call a physician if irritation develops or persists. If symptoms persist, call a physician. When symptoms persist or in all cases of doubt seek medical advice.

Inhalation.

Move to fresh air. If symptoms persist, call a physician.

Skin contact.

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. If symptoms persist, call a physician. May cause slight irritation. Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If symptoms persist, call a doctor. Show this safety data sheet to the doctor in attendance.

Eye contact.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If symptoms persist, call a physician. Remove contact lenses, if present.

Ingestion.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Gently wipe or rinse the inside of the mouth with water.

Symptoms.

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

Notes to physician.

Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media.

Suitable extinguishing media.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons.

High volume water jet.

Special hazards arising from the substance or mixture.

No information available.

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

Personal precautions, protective equipment and emergency procedures.

Personal precautions.

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

Advice for emergency responders.

Use personal protection recommended in Section 8.

Environmental precautions.

Prevent product from entering drains. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up.**Methods for Containment.**

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

Methods for cleaning up.

Use personal protective equipment as required.

Reference to other sections.

See section 8 for more information.

7. Handling and Storage**Conditions for safe storage, including any incompatibilities.****Advice on safe handling.**

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures.

See section 7 for more information.

Storage Conditions.

Keep containers tightly closed in a cool, well-ventilated place.

8. Exposure Controls/Personal Protection**Ingredients with Occupational Exposure Limits**

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Ethanol	N.E.	1000 ppm	1000 ppm	N.E.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures.

Showers, eyewash stations, and ventilation systems.

Personal protective equipment.**Eye/Face Protection.**

Safety glasses with side-shields.

Skin and body protection.

Wear suitable protective clothing.

Respiratory protection.

In case of insufficient ventilation wear suitable respiratory equipment.

9. Physical and chemical properties.**Information on basic physical and chemical properties.**

Physical state	Liquid
Appearance	Clear liquid
Color	Colorless
Odor	Lemon
Odor Threshold	No Information
pH	12.4
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	No Information
Boiling point/boiling range., °C (°F)	78 - 1,390 (172.4 - 2534)

Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm ³)	1.010
Water solubility.	Soluble in water
Partition coefficient.	No Information
Autoignition temperature., °C	No Information
Decomposition Temperature °C.	No Information
Viscosity, kinematic.	No Information

Other information.

Volatile organic compounds (VOC) content.	1.2 lb/gal
Density, lb/gal	No Information

10. Stability and Reactivity

Reactivity.

Stable under normal conditions.

Chemical stability.

Stable under recommended storage conditions.

Possibility of hazardous reactions.

None known based on information supplied.

Conditions to Avoid.

None known.

Incompatible Materials.

None known based on information supplied.

Hazardous Decomposition Products.

None known.

11. Toxicological Information

Information on toxicological effects.**Acute toxicity.****Product Information**

No Information

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

ATEmix (oral)	11,483.5 mg/kg
ATEmix (dermal)	11,712.6 mg/kg

Component Information.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
68424-95-3	QUATERNARY AMMONIUM COMPOUNDS, DI-C8-10-ALKYLDIMETHYL, CHLORIDES	N.I.	3861 mg/kg Rabbit	N.I.
68131-40-8	Secondary alcohol ethoxylate Poly(ethylene oxide	2100 mg/kg Rat	>2000 mg/kg Rat	N.I.
68424-85-1	Ammonium chloride compound	344 mg/kg (Rat)	340 mg/kg (Rabbit)	N.I.
64-02-8	TETRASODIUM EDTA	1658 mg/kg Rat	N.I.	N.I.
64-17-5	Ethanol	8300 mg/kg Rat	N.I.	124.7 mg/L Rat (Vapor)

N.I. = No Information

Skin corrosion/irritation.

No Information

Eye damage/irritation.

No Information

Respiratory or skin sensitization.

No Information

Ingestion.

No Information

Germ cell mutagenicity.

No Information

Carcinogenicity.

No Information

Reproductive toxicity.

No Information

Specific target organ systemic toxicity (single exposure).

No Information

Specific target organ systemic toxicity (repeated exposure).

No Information

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information**Toxicity.**

7.93% of the mixture consists of ingredient(s) of unknown aquatic toxicity

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, LC50 96 h Pimephales promelas 59.8 mg/L	-
Ethanol 64-17-5	-	LC50 96 h Oncorhynchus mykiss 12.0 - 16.0 mL/L, LC50 96 h Pimephales promelas >100 mg/L, LC50 96 h Pimephales promelas 13400 - 15100 mg/L	LC50 48 h Daphnia magna 9268 - 14221 mg/L, EC50 48 h Daphnia magna 2 mg/L

Persistence and degradability.

No data are available on the product itself.

Bioaccumulative potential.

Discharge into the environment must be avoided.

CAS-No.	Chemical Name	log POW
64-17-5	Ethanol	-0.32

Mobility in soil.

No information

Other adverse effects.

No information

13. Disposal Considerations**Waste Disposal Guidance.**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information**DOT**

Shipping Name: Not regulated

IMDG

Proper Shipping Name: Not regulated

IATA

Proper Shipping Name: No recommended for air transport

15. Regulatory Information

International Inventories:

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

TCSI

TSCA United States Toxic Substances Control Act Section 8(b) Inventory.
 DSL Canadian Domestic Substances List.
 DSL/NDSL Canadian Domestic Substances List/Canadian Non-Domestic Substances List
 EINECS/ELINCS European Inventory of Existing Chemical Substances/European List of Notified 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.
 TCSI Taiwan Chemical Substance Inventory

CANADA PEST MANAGEMENT REGULATORY AGENCY (PMRA) INFORMATION

PCP Registration No.: DIN # 02284502

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class D2B,E

16. Other Information

Revision Date: 4/6/2021 **Supersedes Date:** New SDS

Reason for revision: No Information

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	N.I.	Flammability:	N.I.	Physical Hazard:	N.I.	Personal Protection:	N.I.
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NFPA Ratings:

Health:	N.I.	Flammability:	N.I.	Instability:	N.I.	Physical & Chemical:	N.I.
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

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.