

SAFETY DATA SHEET



1: Product & Company Identificaiton

Product Name: Lemon Lance Ready-To-Use
General Use: Ready to Use Disinfectant Cleaner
Product Description: Disinfecting Glass & Multi-Surface Cleaner
Product Code: 147LMNLANRQT
Chemical Family: Alcohol/Quaternary Ammonium Chloride
EPA Reg. No.: 10324-85-8325

1.1 Distributor's Details

Noble Chemical, Inc.
2205 Old Philadelphia Pike
Lancaster, PA 17602
Phone: 888-256-6400
Website: www.NobleChemical.com

1.2 Emergency Telephone Number

CHEM TEL (Medical and Transportation): 800-255-3924
POISON CONTROL CENTER (Medical): 800-222-1222

2: Hazards Identification

2.1 Classification of the Substance or Mixture

Skin Irritation	Category 3
Eye Irritation	Category 2B

2.2 GHS Label Elements, Including Precautionary Statements

Signal Word: Warning

Hazard Statement(s):

- H320: Causes eye irritation.
- H316: Causes mild skin irritation.
- H303: May be harmful if swallowed.



Precautionary Statement(s):

Prevention

- P264: Wash thoroughly after handling.
- P234: Keep only in original container.

Response

- P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P310: Immediately call a POISON CENTER or doctor/physician.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P362: Take off contaminated clothing and wash before reuse.

Storage

- P405: Store locked up.

Disposal

- P501: Dispose of contents/container in accordance with local, state and federal regulations.

2.3 Emergency Overview

Physical Appearance: Opalescent yellow

Immediate Concerns: Moderate eye irritant

Potential Health Effects

Eyes: Contact causes eye irritation.

Skin: May be mildly irritating with prolonged or repeated contact.

Skin Absorption: No known significant effects or critical hazards.

Ingestion: Harmful if swallowed.

Reproductive Toxicity

Teratogenic Effects: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Routes of Entry: Eye, skin, ingestion.

Warning Caution Labels: Irritant.

Physical Hazards: None Expected.

3: Composition/Information on Ingredients

Chemical Name	Weight %	CAS
Alkyl dimethylbenzyl ammonium chloride(C12-C16)	0.034%	68424-85-1
Octyl decyl dimethyl ammonium chloride	0.026%	32426-11-2
Diocetyl dimethyl ammonium chloride	0.013%	5538-94-3
Didecyl dimethyl ammonium chloride	0.013%	7173-51-5
Isopropanol	0-2%	67-63-0
Monoethanolamine	0-1%	141-43-5
Dye	< 0.1%	N/A
Fragrance	< 1%	N/A
Water	90%	7732-18-5

4: First Aid Measures

4.1 Description of Necessary First Aid Measures

- Eye Contact:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.
- Skin Contact:** Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.
- Inhalation:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.
- Ingestion:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

4.2 Signs and Symptoms of Overexposure

- Eyes:** Burning sensation with tears, redness.
- Skin:** Redness and itching sensation.
- Inhalation:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.
- Ingestion:** Irritation of mouth, throat, along with stomach upset, vomiting.
- Acute Toxicity:** Irritating to eyes, mild skin irritation.

5: Fire-Fighting Measures

Flammable Class: None

Extinguishing Media: Not Required

Explosion Hazards: None

Hazardous Decomposition Products: Decomposition products may include: Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides

6: Accidental Release Measures

6.1 Spills

Small Spill: Avoid runoff into storm sewers and ditches which lead to waterways.

Large Spill: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

6.2 Environmental Precautions

Water Spill: Avoid discharges into open waterways.

Land Spill: Avoid discharge to soil.

Air Spill: NA = Not Applicable

6.3 General Procedures

Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other noncombustible material and transfer to containers.

Release Notes: Product is toxic to fish and aquatic invertebrates.

Special Protective Equipment: Eye protection, rubber gloves, rubber boots to protect feet.

7: Handling and Storage

7.1 Precautions for Safe Handling

General Procedures: Do not contaminate water, food, or feed by storage or disposal.

Handling: Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

7.2 Conditions for Safe Storage (Including Any Incompatibilities)

Storage: Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, and water sources. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

Storage Temperature: Store at ambient temperatures.

Storage Pressure: Store at ambient atmospheric pressure.

8: Exposure Controls/Personal Protection

8.1 Exposure Guidelines

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

Chemical Name		Exposure Limits					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Isopropanol	TWA	400	980	200	490	NL	NL
	STEL	---	---	400	960	NL	NL
Monoethanolamine	TWA	3	6	3	7.5	NL	NL
	STEL	---	---	6	15	NL	NL

8.2 Individual Protection Measures (Such as Personal Protective Equipment)

Eye/Face Protection: Safety glasses with side shields.

Skin and Body Protection: Rubber or other chemical resistant gloves.

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

Hygiene Measures: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical State: Liquid
Color: Light Green
Odor: Lemon
Odor Threshold: No Information Available

Property	Values	Remarks/Method
pH	10.0 - 11.5	None Known
Percent Volatile	>98	None Known
Flash Point & Method	None	None Known
Flammable Limits	N/A	None Known
Autoignition Temperature	NA = Not Applicable	None Known
Vapor Pressure	20mm Hg at (68°F)	None Known
Vapor Density	~1 Air = 1	None Known
Boiling Point	212°F (100°C)	None Known
Freezing Point	32°F (0°C)	None Known
Thermal Decomposition	Not Available	None Known
Solubility in Water	Complete	None Known
Evaporation Rate	(Water = 1) 1.0	None Known
Density	8.29 at 20°C (68°F)	None Known
Specific Gravity	0.998 grams/ml. at 20°C (68°F)	None Known
Viscosity	Water Thin	None Known
(VOC)	2.500% by weight	None Known

10: Stability and Reactivity

10.1 Reactivity

Stable

10.2 Hazardous Polymerization

Will not occur.

10.4 Conditions to Avoid

Not established.

10.5 Hazardous Decomposition Products

None expected.

10.6 Incompatible Materials

Strong oxidizers

11: Toxicological Information

11.1 Acute

Chemical Name	Oral LD ₅₀ (rat)	Dermal LD ₅₀ (rabbit)	Inhalation LC ₅₀ (rat)
Alkyl dimethylbenzyl ammonium chloride(C12-C16)	450 mg/kg (rat)	3342 mg/kg (rabbit)	---
Octyl decyl dimethyl ammonium chloride	200 to 2000 mg/kg (rat)	Not available	---
Diocetyl dimethyl ammonium chloride	50 mg/kg (mouse)	Not available	---
Didecyl dimethyl ammonium chloride	268 mg/kg (mouse)	2730 mg/kg (rabbit)	---
Isopropanol	5045 mg/kg (rat)	12800 mg/kg (rabbit)	16000 ppm
Monoethanolamine	1089 mg/kg (rat)	2504 mg/kg (rabbit)	~ 1.48 mg/l

Dermal LD₅₀: > 2000 mg/kg male and female rabbits.

Oral LD₅₀: > 5000 mg/kg male and female rats.

11.2 Symptoms Related to the Physical, Chemical & Toxicological Characteristics

Eye Effects: Mild to moderate eye irritant.

Skin Effects: May irritate skin with prolonged or repeated contact.

11.3 Delayed, Immediate, and Chronic Effects from Short & Long Term Exposure

- Carcinogenicity:** IARC: No listed substance
- Corrosivity:** NA = Not Applicable
- Genetic Effects:** No known significant effects or critical hazards.
- Reproductive Effects:** No known significant effects or critical hazards.
- Target Organs:** No known significant effects or critical hazards.
- Mutagenicity:** No known significant effects or critical hazards.

12: Ecological Information

- Environmental Data:** Not Established
- Ecotoxicological Information:** This product is toxic to fish and aquatic invertebrates.
- Aquatic Toxicity (Acute):** Not Established
- Chemical Fate Information:** This product is biodegradable.

13: Disposal Considerations

13.1 Disposal Method

Attempt to use product completely in accordance with intended use. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at your local office, or the nearest EPA regional office for guidance.

13.2 For Large Spills

Consult with local and state authorities for large volume disposal.

13.3 Empty Container

Triple rinse container promptly after emptying. Fill container 1/4 full with water and recap. Shake for 10 seconds. Drain and repeat. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

14: Transportation Information

14.1 DOT

Proper Shipping Name: Not regulated.

Placards: None

Label: None

U.S. Customs Harmonization Number: 3808.94.0000

14.2 Air (ICAO/IATA)

Shipping Name: Not regulated.

14.3 Vessel (IMO/IMDG)

Shipping Name: Not regulated.

15: Regulatory Information

15.1 United States

DOT Label Symbol and Hazard Classification

SARA Title III 311/312 Hazard Categories

Acute	Yes
Chronic	No
Fire	No
Pressure Generating	No
Reactivity	No

302/304 Emergency Plan

No listed substance.

TSCA (Toxic Substance Control Act)

All ingredients are listed on the TSCA Chemical Inventory.

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15.2 States With Special Requirements

Right to Know Substance

Chemical Name	New Jersey	New York	Massachusetts	Pennsylvania
Isopropanol	X	---	X	X
Monoethanolamine	X	X	X	X

California Proposition 65 Components

No listed substance

Carcinogen

No listed substance

FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)

Regulated

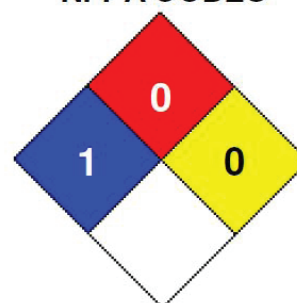
16: Other Information

Prepared by: Regulatory Affairs Department Date Prepared: 11/14/2014

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	B

NFPA CODES



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