



SAFETY DATA SHEET

615L: CONCENTRATE

Conforms to 1910.1200

Issued: Mar. 19, 2021

Supersedes: May 29, 2016

NOVA™ DISINFECTANT

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Nova Disinfectant High Fragrance - Lemon Germicidal Detergent **Product Number:** 615L

Recommended Use: Germicidal Detergent
Concentrate. Dilute prior to use.
Product intended for commercial and industrial use only.

EPA Registration: 10324-167-41567

Uses Advised Against: Other than per labelled instructions

Manufacturer Address:

Amano Pioneer Eclipse Corporation
P.O. Box 909
1 Eclipse Road
Sparta, NC 28675
Telephone: 1-336-372-8080
Email: sds@pioneereclipse.com
Internet: www.pioneereclipse.com

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night.
Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect calls accepted)

2: HAZARDS IDENTIFICATION

Classification: Skin Irritation - Category 2
Eye Irritation - Category 2A
Skin Sensitization - Category 1

Signal Word: WARNING

Pictogram:



Hazard Statements:

Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.

Precautionary Statements:

Avoid breathing mist/vapors/spray.
Wash thoroughly after handling.
Wear protective gloves and eye protection.
IF ON SKIN: Wash with plenty of water.
If skin irritation occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Dispose of contents/container according to local, regional, national and international regulations.

Other Hazards: None known

Supplemental Information: None

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
Alkyl dimethylbenzyl ammonium chloride (C12-18)	68391-01-5	0.5 - 1.5
Alkyl dimethylethylbenzyl ammonium chloride (C12-14)	85409-23-0	0.5 - 1.5
Ethanol	64-17-5	< 0.5
d-Limonene	5989-27-5	> 0.1 - < 1

* Exact concentration of the ingredients has been withheld as a trade secret.



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4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Eye Contact: Flush eyes with plenty of water, for at least 15 minutes. If easy to do, remove contact lenses if worn. If irritation persists, seek medical attention.

Skin Contact: Wash with soap and plenty of water. If irritation persists, seek medical attention.

Inhalation: If breathing is difficult, remove subject to fresh air. If symptoms persist, seek medical attention.

Ingestion: Call a physician or poison control center. Do not induce vomiting. Seek medical advice.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye Contact: Causes skin irritation. May cause an allergic skin reaction.

Skin Contact: Causes serious eye irritation.

Inhalation: Mists and vapors may cause irritation to the throat and respiratory tract.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

5: FIRE-FIGHTING MEASURES

Suitable Extinguishing media: Use media suitable for the surrounding fire.

Specific Hazards: Container may rupture on heating.

Hazardous combustion products: May include carbon oxides, nitrogen oxides

Protective Equipment and Precautions: Fire fighters should wear NIOSH approved breathing apparatus. Cool fire exposed containers with spray.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.

Environment Precautions: Keep spills and cleaning run-off out of sewers and open bodies of water.

CONTAINMENT AND CLEAN-UP

Small Spills: Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.

Large Spills: Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal.

Waste Disposal: Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use in well-ventilated areas. Avoid breathing vapors or mists.

Conditions for Safe Storage: Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

Other Information: Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Ingredient	CAS Number	ACGIH		OSHA	
		TWA	STEL	TWA	STEL
Ethanol	64-17-5	NL	1000 ppm	1000 ppm	NL



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Engineering Controls: Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

Personal Protective Equipment (PPE)

Eye/Face Protection: Wear eye protection.

Skin Protection: Wear chemical resistant gloves.

Respiratory Protection: Good general ventilation should be sufficient to control airborne levels. If exposure limits are exceeded or if irritation is experienced, a NIOSH/MSHA approved respiratory with an organic-vapor removing cartridge with a pre-filter approved for pesticides should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situation.

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

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear, yellow liquid
Odor:	lemon
Odor Threshold:	data not available
pH:	9.5
Freezing Point:	data not available
Boiling Point:	data not available
Flash Point:	> 200 °F / > 93°C
Evaporation Rate:	less than water
Flammability (solid/gas):	not applicable to liquids
Flammability limits:	data not available
Vapor Pressure:	data not available
Vapor Density:	data not available
Relative Density:	8.4 lb/gal @ 68°F/ 1.01 kg/l @ 20 °C
Solubility:	miscible in water
Partition Coefficient:	data not available
Auto Ignition temperature:	data not available
Decomposition Temperature:	data not available
Viscosity:	< 100 centipoise @ 68 °F (20 °C)
VOC:	< 0.5%

10: STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Stability:	Stable under normal conditions.
Hazardous reactions:	None expected.
Conditions to avoid:	None known.
Incompatible materials:	Do not mix with other chemicals unless stated on the product label.
Hazardous decomposition products:	None known.

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Toxicity data is not available for this mixture. Estimates below are based on ingredient literature.
Acute Oral LD50: > 5000 mg/kg
Acute Dermal LD50: > 2000 mg/kg

LOCAL EFFECTS

Skin contact: Causes skin irritation.
Eye contact: Causes serious eye irritation.
Sensitization: May cause an allergic skin reaction.
Chronic effects: None expected



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SPECIFIC EFFECTS

Carcinogenicity: None known
Reproductive effects: None known
Teratogenicity: None known
Mutagenicity: None known

Carcinogenicity:

Component	IARC	NTP	OSHA
d-Limonene	IARC 3	N/L	N/L

12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic organisms.
Persistence and Degradability: Data not available.
Bioaccumulative Potential: No bioaccumulation is to be expected (log Pow= <4)
Mobility in Soil: Data not available.
Other Adverse Effects: Other adverse environmental effects are expected from this product.

13: DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: 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 the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Non-Refillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Fill the container ¼ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate 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.

The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable federal, state, and local regulations.

14: TRANSPORT INFORMATION

This product is not classified as hazardous for transportation.

15: REGULATORY INFORMATION

U.S. REGULATIONS/REPORTING: Components are not subject to reporting (SARA 302/304, SARA 313 or CERCLA).

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling 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 product chemicals.

Following is the hazard information as required on the pesticide label:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. Causes substantial but temporary eye injury. Harmful if absorbed through the skin or inhaled. Avoid contact with skin and breathing spray mist. Do not get in eyes or on clothing. Wear goggles or face shield and 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.

STATE RIGHT-TO-KNOW STATUS:

Ingredient	CAS Number	MA - RTK	NJ - RTK	PA - RTK	RI - RTK
ethanol	64-17-5	listed	listed	listed	listed

CALIFORNIA PROPOSITION 65: Components are not present on CA Prop 65 listing.



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16: OTHER INFORMATION

Abbreviations Used:

N/A - Not applicable

N/E - Not Established

N/L - Not Listed

IARC 3- Unclassifiable as to carcinogenicity in humans

Revision Information:

Mar. 19, 2021 - Classification and supporting details. Revisions § 1, 2, 3, 4, 5, 7, 8, 9, 11, 12 &13

Health:	2
Flammability:	0
Reactivity:	0

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This SDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

****IMPORTANT SAFETY INFORMATION**DO NOT DISCARD**PLEASE ROUTE TO COMPANY SAFETY OFFICER****