



SAFETY DATA SHEET 615: CONCENTRATE

Conforms to 1910.1200
Issued: May 29, 2016
Supersedes: July 7, 2015

NOVA™ DISINFECTANT

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Nova Disinfectant (Lemon Scent) **Product Number:** 615L
Nova Disinfectant (Mint Scent) 615M
Nova Disinfectant (Pine Scent) 615P

Recommended Use: High Fragrance 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 2

Signal Word: WARNING

Pictogram:



Hazard Statements:

Causes skin irritation.
Causes serious eye irritation.

Precautionary Statements:

Wash thoroughly after handling.
Wear protective gloves/eye protection/face protection.
IF ON SKIN (or hair): Wash with plenty of water.
If skin irritation occurs: Get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.

Other Hazards: None known

Supplemental Information: None

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	0.5 - 1.5
Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14)	68956-79-6	0.5 - 1.5
ethanol	64-17-5	<0.5

* 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:** Can be irritating to eyes.
- Skin Contact:** Can be irritating to skin.
- Inhalation:** Mists and vapors may cause irritation to the throat and respiratory tract.
- Ingestion:** Ingestion can 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:** Water spray, CO₂, dry chemical, alcohol-type or universal type foams
- Specific Hazards:** Do not spray a solid stream of water or foam directly in hot liquid. This may spread burning liquid.
- Protective Equipment and Precautions:** Fire fighters should wear NIOSH approved breathing apparatus. Cool fire exposed containers with spray. Materials can splatter above 100° C / 212°

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:** Storage temperature (Max. 60°C/140°F - Min. 1°C/34°F)
- 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

- 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.



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Personal Protective Equipment (PPE)

Eye/Face Protection: Safety eyewear is recommended, to avoid chemical splashes and mists.

Skin Protection: Chemical resistant gloves are recommended.

Respiratory Protection:

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: L-lemon, M-mint, P-pine
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 eye irritation.
Sensitization: None expected
Chronic effects: None expected

SPECIFIC EFFECTS

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

Carcinogenicity: Components are not known to be classified as carcinogens. (IARC, NTP, OSHA).

12: ECOLOGICAL INFORMATION

Ecotoxicity: Ecological testing has not been completed on the mixture.
Persistence and Degradability: Product is biodegradable.
Bioaccumulative Potential: Data not available.



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Mobility in Soil: Data not available.
Other Adverse Effects: Toxic to aquatic organisms.

13: DISPOSAL CONSIDERATIONS

Discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate.

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.

UN Number: None
UN Proper Shipping Name: None
Hazard Class: None
Packing Group: None
Marine Pollutant: None
Transport in Bulk: N/A
Other Information: None

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:

WARNING. Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through the skin. Don not get into eyes or on clothing. Avoid contact with skin. Wear goggles or face shield 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. This product is toxic to fish. Do not use or store near heat or open flame. Do not mix with oxidizers, anionic soaps and detergents.

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.

16: OTHER INFORMATION

Abbreviations Used:

N/A - Not applicable
N/E - Not Established
N/L - Not Listed

Revision Information:

May 29, 2016 - Logo change, email address, minor edits

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****