



SAFETY DATA SHEET 625: CONCENTRATE

Conforms to 1910.1200
Issued: Mar. 18, 2020

MERIDICLEAN™ ALL PURPOSE CLEANER & DISINFECTANT

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: MeridiClean All Purpose Cleaner & Disinfectant **Product Number:** 625
Recommended Use: Disinfectant Cleaner
Concentrate - dilute prior to use.
Product intended for commercial and industrial use only.
Uses Advised Against: Other than per labelled instructions
EPA Registration Number: 6836-366-41567

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 Corrosion - Category 1B
Eye Damage - Category 1
Acute Toxicity Inhalation - Category 2
Acute Toxicity Dermal - Category 3
Acute Toxicity Oral - Category 4

Signal Word: DANGER

Pictogram:



Hazard Statements:

Causes severe skin burns and eye damage.
Fatal if inhaled.
Toxic in contact with skin
Harmful if swallowed.

Precautionary Statements:

Do not eat, drink or smoke when using this product
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection
IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
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/physician.
Immediately call a POISON CENTER or doctor/physician if you feel unwell.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container according to local, regional and national regulations.

Other Hazards: None known

Supplemental Information: Ingredients with unknown acute toxicity: 9.25%



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3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
Dioctyl Dimethyl Ammonium Chloride	5538-94-3	5.26
Alkyl (C12 67%, C14 25%, C16 7%, C18 1%) Dimethyl Benzyl Ammonium Chloride	68391-01-5	3.51
N-Coco-N,N,N-trimethylammonium Chloride	61789-18-2	5 - 10

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

4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eye with plenty of water for at least 15 minutes. (If easy to do, remove contact lenses, if worn). Seek medical attention immediately.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention immediately.

Inhalation: If breathing is difficult. Remove subject to fresh air. Seek medical attention immediately.

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

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye Contact: Causes eye burns.

Skin Contact: Causes severe skin burns. Toxic if in contact with skin.

Inhalation: Fatal if inhaled.

Ingestion: Harmful if swallowed.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically. Probable mucosal damage may contraindicate the use of gastric lavage.

5: FIRE-FIGHTING MEASURES

Suitable Extinguishing media: Water spray, dry powder or foam

Specific Hazards: Corrosive liquid. Not flammable.

Protective Equipment and Precautions:

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. Dike for water control.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protective equipment (see Section 8). Keep spectators away from and upwind of spill/leak. Floors may be slippery: use care to avoid falling. Refer to section 7 for additional precautionary measures. Ventilate the spill area.

Environment Precautions: Keep spills and cleaning run-off out of drains, sewers, drinking water supply 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.

Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.



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7: HANDLING AND STORAGE

Precautions for Safe Handling:	Avoid contact with eyes, skin and clothing. Wash any exposed skin thoroughly after handling. Use only in well-ventilated areas. Do not breathe dust/fume/gas/mist/vapors/spray. Remove and wash contaminated clothing and footwear before re-use.
Conditions for Safe Storage:	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.
Other Information:	Do not contaminate water, food or feed by storage or disposal. Keep container sealed when not in use. Keep out of reach of children.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	None listed for ingredients.
Engineering Controls:	Use only in well-ventilated areas. 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/face protection.
Skin Protection:	Wear chemical resistant gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact.
Respiratory Protection:	In the case of vapor formation use a respirator with an approved filter. If airborne concentrations are above the permissible exposure limit or are not known, use a NIOSH approved respirator.
Hygiene Measures:	Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly after handling. Remove and wash contaminated clothing before re-use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear, green liquid
Odor:	citrus fragrance
Odor Threshold:	data not available
pH:	7.0 - 8.5
Freezing Point:	data not available
Boiling Point:	data not available
Flash Point:	>200°F / >93°C
Evaporation Rate:	similar to water
Flammability (solid/gas):	not applicable to liquids
Flammability limits:	not flammable
Vapor Pressure:	data not available
Vapor Density:	greater than air
Relative Density:	8.3 lb/gal @ 68°F / 0.998 kg/l @ 20°C
Solubility:	soluble in water
Partition Coefficient:	data not available
Auto Ignition temperature:	data not available
Decomposition Temperature:	data not available
Viscosity:	< 25 centipoise @ 68°F (20°C)

10: STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Stability:	Stable under normal conditions.
Hazardous reactions:	No hazardous polymerization.



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- Conditions to avoid:** Keep out of reach of children. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.
- Incompatible materials:** Fluorine, strong oxidizing or reducing agents, bases, sulfur trioxide, phosphorus pentoxide. Do not mix with other chemicals or cleaners.
- Hazardous decomposition products:** None known

11: TOXICOLOGICAL INFORMATION

Acute Toxicity:

- ATE_{mix} (oral) - > 300 mg/kg ≤ 2000 Harmful if swallowed.
 ATE_{mix} (dermal) - > 200 mg/kg ≤ 1000 Toxic in contact with skin.
 ATE_{mix} (inhalation) - > 10 mg/l ≤ 20 (vapour) Fatal if inhaled.

LOCAL EFFECTS

- Skin contact:** Can cause skin burns.
Eye contact: Can cause eye damage.
Sensitization: None expected
Chronic effects: None expected

SPECIFIC EFFECTS

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

COMPONENT INFORMATION

Component	LD50 Oral- Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC ₅₀ Inhalation- Rat (mg/l)
Dioctyl Dimethyl Ammonium Chloride	not available	not available	not available
Alkyl (C12 67%, C14 25%, C16 7%, C18	1,140	>250	<0.59
N-Coco-N,N,N-trimethylammonium	not available	not available	not available

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

12: ECOLOGICAL INFORMATION

- Ecotoxicity:** Data not available. Ingredients with unknown aquatic hazards: 2%
- Persistence and Degradability:** Data not available.
- Bioaccumulative Potential:** Data not available.
- Mobility in Soil:** Data not available.
- Other Adverse Effects:** Data not available.

13: DISPOSAL CONSIDERATIONS

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

Pesticide Disposal: Disposal of this material should be in accordance with local, regional and national regulations. 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 Disposal: emptying. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in

14: TRANSPORT INFORMATION

- UN Number:** UN1760
UN Proper Shipping Name: Corrosive liquid, n.o.s. (quaternary ammonium chloride)
Hazard Class: 8
Packing Group: III
Marine Pollutant: None
Transport in Bulk: N/A



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Other Information:

Package volumes <5 L each are shipped as Limited Quantity; as permitted by hazard class and quantity exemption.

15: REGULATORY INFORMATION

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: DANGER. KEEP OUT OF REACH OF CHILDREN. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. May be fatal if inhaled or absorbed through the skin. Harmful if swallowed. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and protective (rubber or chemical resistant) gloves. 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.

ENVIRONMENTAL HAZARDS: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters 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 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.

U.S. REGULATIONS/REPORTING:

Ingredient	CAS Number	SARA 302/304	SARA 313	CERCLA
Edetic acid	60-00-4	N/L	N/L	5000

STATE RIGHT-TO-KNOW STATUS:

Ingredient	CAS Number	MA - RTK	NJ - RTK	PA - RTK	RI - RTK
Edetic acid	60-00-4	Listed	Listed	Listed	N/L

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:

Mar. 18, 2020 - SDS issued

Health:	3
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****