

SAFETY DATA SHEET

Date issued : 12/17/2024

SDS number : Kandel & Son, Inc._Ecosphere Neutral Disinfectant & Cleaner

Date revised : 05/12/2025

Revision number : 3

Ecosphere Neutral Disinfectant & Cleaner

1. Identification

Product identifier: Ecosphere Neutral Disinfectant & Cleaner

Product description: Neutral Disinfectant and Detergent

Chemical family: Quaternary Ammonium Chloride

Relevant identified uses: Disinfectant - *Virucidal - Fungicidal

Distributor

Kandel & Son, Inc.

155 Dupont Street

Plainview, NY 11803

Customer Service: 516-931-4455

EPA reg. No.: 47371-131-40976

Emergency telephone number (24 hour)

CHEM-TEL (Medical and Transportation): 800-255-3924

POISON CONTROL CENTER (Medical): 800-222-1222

2. Hazard identification

Classification of the substance or mixture

Health hazards:

Skin Irritation, Category 2

Serious Eye Damage, Category 1

Environmental hazards:

Short-term (acute) aquatic hazard, Category 1

Long-term (chronic) aquatic hazard, Category 3

Label elements



Corrosion



Environment

Signal word: DANGER

Hazard statement(s)

H315: Causes skin irritation.

H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects.

H400: Very toxic to aquatic life.

Precautionary statement(s)

Supplemental label elements:

P273: Avoid release to the environment.

P391: Collect spillage.

Prevention:

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/eye protection/face protection.

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

Disposal:

P501: Dispose of contents/container according to all local, state and Federal regulations.

3. Composition/information on ingredients

| Chemical name | % w/w | CAS No. |
|------------------------------------|---------|-----------|
| Didecyl Dimethyl Ammonium Chloride | 2.5 - 3 | 7173-51-5 |

| | | |
|---|---------|------------|
| Alkyl (C12-16) dimethylbenzyl ammonium chloride | 1 - 2.5 | 68424-85-1 |
| Ethanol | 0.5 - 1 | 64-17-5 |
| Dye | < 0.1 | TS |
| Fragrance | < 1 | TS |
| Water | < 95 | 7732-18-5 |

4. First-aid measures

Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

Ingestion: Get medical attention immediately. Rinse mouth with water. Do NOT induce vomiting. Drink glass of water to dilute product.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

5. Fire-fighting measures

Flammable class: None

Suitable extinguishing media: Water Spray, alcohol-resistant foam, dry chemical

Other considerations: Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous decomposition products: Decomposition products may include: Carbon dioxide, Carbon monoxide, nitrogen oxides.

6. Accidental release measures

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.

Environmental precautions

Water spill: Avoid discharges into open waterways and notify your local emergency services if this occurs.

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 non-combustible material and transfer to containers.

7. Handling and storage

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

Precautions for safe handling: Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

Conditions for safe storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

Storage temperature: Store at ambient temperatures.

Storage pressure: Store at ambient atmospheric pressure.

8. Exposure controls/personal protection

Appropriate engineering controls: Use in well ventilated area.

Individual protection measures, such as personal protective equipment

Eye / face protection: Chemical splash goggles or face shield.

Skin protection - hand protection: Rubber or other chemical resistant gloves.

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

Skin protection - other: Handle in accordance with good industrial hygiene and safety practice.

Occupational hygiene practices: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

9. Physical and chemical properties

Physical state: Liquid

Color: Yellow

Odor: Lemon

Odor threshold: Not Established

pH: 7.2 to 8.2

Melting point: No data available

Freezing point: 32° F; 0° C

Flash point: None

Evaporation rate (n-butyl acetate = 1): No data available

Lower explosion limit / flammability limit: N/A

Vapor pressure: No data available

Relative vapor density: No data available

Density: 8.33 at 20°C (68°F)
Relative density: No data available
Solubility: Complete
Auto-ignition temperature: No data available
Decomposition temperature: Not Available
Viscosity: Water thin.

10. Stability and reactivity

Reactivity: No decomposition if stored and applied as directed.
Dangerous polymerization: Will not occur.
Conditions to avoid: Not Established
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Incompatible materials: Strong acids. Strong basis. Strong oxidizing agents. Reducing agents.

11. Toxicological information

Acute toxicity

| Chemical name | LD ₅₀ (oral) mg/kg(rat) | LD ₅₀ (dermal) mg/kg(rabbit) | LC ₅₀ (inhalation) mg/l |
|------------------------------------|------------------------------------|---|------------------------------------|
| Didecyl Dimethyl Ammonium Chloride | 238 mg/kg (rat) | 3342 ml/kg (rabbit) | No data available |

Acute dermal toxicity LD₅₀: > 5000 mg/kg

Notes: Method: Calculation method

Acute oral toxicity LD₅₀: > 5000 mg/kg

Notes: Method: Calculation method

Skin corrosion / irritation: Severe skin irritation

Serious eye damage / irritation: Causes eye burns

Germ cell mutagenicity: No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmend human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity: No data available

Specific Target Organ Toxicity - single exposure: No data available

Specific Target Organ Toxicity - repeated exposure: No data available

Aspiration hazard: No aspiration toxicity classification

12. Ecological information

Ecotoxicological information: This product is toxic to fish and aquatic invertebrates.

Aquatic toxicity, both acute and chronic: Very toxic to aquatic life.

13. Disposal considerations

Disposal methods: 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 the nearest EPA Regional Office for guidance.

For large spills: Consult with local and state authorities for large volume disposal.

Empty container: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

Triple rinse as follows: Fill container 1/4 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 accordance with local, state, and federal regulations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Not regulated.

U.S. Customs harmonization number: 3808.94.0000

ADR / RID - road / rail

UN proper shipping name: Contact manufacturer for more information.

ICAO - air

UN proper shipping name: Contact manufacturer for more information.

IMDG - sea

UN proper shipping name: Contact manufacturer for more information.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Health - Acute

313 reportable ingredients: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: No listed substance

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA regulatory: No listed substance

TSCA (The Toxic Substances Control Act)

TSCA regulatory: All ingredients are listed on the TSCA Chemical Inventory.

California Proposition 65: No listed substance

FIFRA (federal insecticide, fungicide, and rodenticide act): Regulated as a pesticide. Refer to Section 1 for EPA registration numbers.

16. Other information

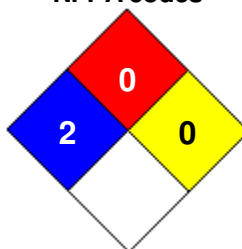
Date revised: 05/12/2025

Revision summary: This SDS replaces the 05/12/2025 SDS. Revised: **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s). **Section 12:** Aquatic toxicity, both acute and chronic. **Section 14:** ICAO - air - UN number USA Department of Transport Regulations (DOT) - UN number IMDG - sea - UN number.

HMIS rating

| | | |
|---------------------|--|---|
| Health | | 2 |
| Flammability | | 0 |
| Physical hazard | | 0 |
| Personal protection | | B |

NFPA codes



Manufacturer disclaimer: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.