



# SAFETY DATA SHEET

Issue Date 15-Dec-2021

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

**Product Name** 2 In 1 Cleaner Disinfectant

### Other means of identification

**Product Code** S-19373

**Synonyms** None

### Details of the supplier of the safety data sheet

**Company Name** ULINE  
12575 Uline Drive  
Pleasant Prairie, WI 53158  
(800) 295-5510  
<http://www.uline.com/>

### Emergency telephone number

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                   |            |
|-----------------------------------|------------|
| Skin corrosion/irritation         | Category 1 |
| Serious eye damage/eye irritation | Category 1 |

### Label elements

#### Emergency Overview

# Danger

#### **Hazard statements**

Causes severe skin burns and eye damage



**Appearance** Clear

**Physical state** Liquid

**Odor** Citrus

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

Specific Treatment (See Section 4 on the SDS)  
 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  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.  
 IF SWALLOWED: Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice.

**Precautionary Statements - Storage**

Store in a dry place no lower in temperature than 50°F or higher than 120°F.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other Information**

- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

Unknown Acute Toxicity

0.088825 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                                | CAS No.    | Weight-% | Trade Secret |
|--|------------|----------|--------------|
| 2-(2-butoxyethoxy)ethanol                    | 112-34-5   | 5-10     | *            |
| Tetrasodium EDTA                             | 64-02-8    | 1-5      | *            |
| Alkyl dimethyl ethylbenzyl ammonium chloride | 85409-23-0 | .1-1     | *            |
| Alkyl dimethyl benzyl ammonium chloride      | 68391-01-5 | .1-1     | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First aid measures**

|   |  |
|---|--|
| <b>General advice</b>                     | Immediate medical attention is required. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  |
| <b>Skin Contact</b>                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  |
| <b>Eye contact</b>                        | Do not rub affected area. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. |
| <b>Inhalation</b>                         | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician or poison control center immediately.   |
| <b>Ingestion</b>                          | Remove from exposure, lie down. Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.                |
| <b>Self-protection of the first aider</b> | Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.  |

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Any additional important symptoms and effects are described in Section 11: Toxicology Information.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions** Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water 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 the 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.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** **Large Spills:** Dike or dam spill. Prevent product from entering drains. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up with inert, damp, non-combustible material using clean non-sparking tools and place into loosely covered plastic containers for later disposal. **Small Spills:** Soak up with inert absorbent material. Clean surface thoroughly to remove residual contamination.

**7. HANDLING AND STORAGE**

**Precautions for safe handling****Advice on safe handling**

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Store in a dry place no lower than 50°F or higher than 120°F. Store in original tightly closed container. Store away from incompatible materials.

**Incompatible materials**

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

| Chemical Name                         | ACGIH TLV                                | OSHA PEL   | NIOSH IDLH   |
|---------------------------------------|--|--|--|
| 2-(2-butoxyethoxy)ethanol<br>112-34-5 | TWA: 10 ppm inhalable fraction and vapor | -  | -  |
| Ethanol<br>64-17-5                    | STEL: 1000 ppm                           | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup> | IDLH: 3300 ppm<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |
| Sodium Hydroxide<br>1310-73-2         | Ceiling: 2 mg/m <sup>3</sup>             | TWA: 2 mg/m <sup>3</sup><br>(vacated) Ceiling: 2 mg/m <sup>3</sup>   | IDLH: 10 mg/m <sup>3</sup><br>Ceiling: 2 mg/m <sup>3</sup>     |

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls****Engineering Controls**

Showers, Eyewash stations & Ventilation systems.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin and body protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene**

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties****Physical state**

Liquid

**Appearance**

Clear

**Color**

Clear Colorless

**Odor**

Citrus

**Odor threshold** No Information available

| <u>Property</u>               | <u>Values</u>            | <u>Remarks • Method</u> |
|-------------------------------|--------------------------|-------------------------|
| pH                            | 11.5 - 12.0              |                         |
| Specific Gravity              | 1.006                    |                         |
| Viscosity                     | < 25 cP @ 25°C           |                         |
| Melting point/freezing point  | No Information available |                         |
| Flash point                   | > 212 °F                 |                         |
| Boiling point / boiling range | < 212 °F                 |                         |
| Evaporation rate              | No Information available |                         |
| Flammability (solid, gas)     | No data available        |                         |
| Flammability Limits in Air    |                          |                         |
| Upper flammability limit:     | No Information available |                         |
| Lower flammability limit:     | No Information available |                         |
| Vapor pressure                | No Information available |                         |
| Vapor density                 | No Information available |                         |
| Water solubility              | Complete                 |                         |
| Partition coefficient         | No Information available |                         |
| Autoignition temperature      | No Information available |                         |
| Decomposition temperature     | No Information available |                         |

#### Other Information

|                 |         |
|-----------------|---------|
| Density Lbs/Gal | 8.38    |
| VOC Content (%) | 8.01263 |

## 10. STABILITY AND REACTIVITY

#### Reactivity

No data available

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of Hazardous Reactions

None under normal processing.

#### Conditions to avoid

Exposure to air or moisture over prolonged periods.

#### Incompatible materials

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

#### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

##### Product Information

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Avoid breathing vapors or mists. Inhalation of dust in high concentration may cause irritation of respiratory system.                                     |
| <b>Eye contact</b>  | Avoid contact with eyes. Corrosive. Causes severe eye damage.   |
| <b>Skin Contact</b> | The product causes burns of eyes, skin and mucous membranes. Avoid contact with skin. Corrosive. Contact with skin may cause severe irritation and burns. |
| <b>Ingestion</b>    | Do not taste or swallow. Ingestion causes acute irritation and burns to the mucous membranes of the mouth, trachea, esophagus and stomach.                |

| Chemical Name   | Oral LD50            | Dermal LD50             | Inhalation LC50       |
|---|----------------------|-------------------------|-----------------------|
| 2-(2-butoxyethoxy)ethanol<br>112-34-5                         | = 5660 mg/kg ( Rat ) | = 2700 mg/kg ( Rabbit ) | -                     |
| Tetrasodium EDTA<br>64-02-8                                   | = 1658 mg/kg ( Rat ) | -                       | -                     |
| Alkyl dimethyl ethylbenzyl<br>ammonium chloride<br>85409-23-0 | = 250 mg/kg ( Rat )  | = 3400 mg/kg ( Rabbit ) | = 86 mg/L ( Rat ) 4 h |
| Alkyl dimethyl benzyl ammonium<br>chloride<br>68391-01-5      | = 500 mg/kg ( Rat )  | > 2000 mg/kg ( Rabbit ) | -                     |

### Information on toxicological effects

**Symptoms** No Information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Corrosivity** Causes burns. Extremely corrosive and destructive to tissue. Risk of serious damage to eyes.

**Sensitization** No Information available.

**Germ cell mutagenicity** No Information available.

**Carcinogenicity** Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

**Reproductive toxicity** No Information available.

**STOT - single exposure** No Information available.

**STOT - repeated exposure** No Information available.

**Chronic toxicity** Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. Avoid repeated exposure. Possible risk of irreversible effects.

**Aspiration hazard** No Information available.

### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 0.088825 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 21,289.20  
**ATEmix (dermal)** 26,427.70

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

0.08882% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name  | Algae/aquatic plants                                | Fish   | Crustacea                                |
|--|---|--|--|
| 2-(2-butoxyethoxy)ethanol<br>112-34-5                    | 100: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50  | 1300: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static   | 100: 48 h <i>Daphnia magna</i> mg/L EC50 |
| Tetrasodium EDTA<br>64-02-8                              | 1.01: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 41: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static<br>59.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static   | -  |
| Sodium Metasilicate<br>6834-92-0                         | -   | 210: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static<br>210: 96 h <i>Brachydanio rerio</i> mg/L LC50   | 216: 96 h <i>Daphnia magna</i> mg/L EC50 |
| Alkyl dimethyl benzyl ammonium<br>chloride<br>68391-01-5 | -   | 0.223 - 0.46: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static<br>0.823 - 1.61: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static<br>1.3: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static | -  |

|  |   |  |  |
|--|---|--|--|
|  |   | 2.4: 96 h <i>Oryzias latipes</i> mg/L LC50 semi-static   |  |
| Ethanol<br>64-17-5                       | - | 12.0 - 16.0: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static<br>13400 - 15100: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through<br>100: 96 h <i>Pimephales promelas</i> mg/L LC50 static  | 9268 - 14221: 48 h <i>Daphnia magna</i> mg/L LC50<br>2: 48 h <i>Daphnia magna</i> mg/L EC50 Static |
| Trisodium nitrilotriacetate<br>5064-31-3 | - | 175 - 225: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static<br>560 - 1000: 96 h <i>Oryzias latipes</i> mg/L LC50<br>560 - 1000: 96 h <i>Oryzias latipes</i> mg/L LC50 semi-static<br>560 - 1000: 96 h <i>Poecilia reticulata</i> mg/L LC50<br>560 - 1000: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static<br>72 - 133: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static<br>93 - 170: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through<br>114: 96 h <i>Pimephales promelas</i> mg/L LC50<br>252: 96 h <i>Lepomis macrochirus</i> mg/L LC50<br>470: 96 h <i>Pimephales promelas</i> mg/L LC50 static | 560 - 1000: 48 h <i>Daphnia magna</i> mg/L LC50  |
| Sodium Hydroxide<br>1310-73-2            | - | 45.4: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static   | -  |

**Persistence and degradability**

No Information available.

**Bioaccumulation**

No Information available.

**Other adverse effects**

This product is toxic to fish.

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Disposal of wastes**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes can not 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.

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

### 14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

**DOT**

Not regulated

TDG Not regulated

### 15. REGULATORY INFORMATION

8.0 % VOC content is CARB EXEMPT as LVP.

#### International Inventories

TSCA Complies  
DSL/NDSL Complies

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

#### US Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name                        | SARA 313 - Threshold Values % |
|--------------------------------------|-------------------------------|
| 2-(2-butoxyethoxy)ethanol - 112-34-5 | 1.0                           |

##### SARA 311/312 Hazard Categories

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | Yes |
| Fire hazard                       | No  |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

##### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

##### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### US State Regulations

##### California Proposition 65

WARNING: This product can expose you to chemicals including Ethylene Oxide, which is known to the state of California to cause cancer, or birth defects or other reproduction harm. For More Information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### U.S. State Right-to-Know Regulations

| Chemical Name                            | New Jersey | Massachusetts | Pennsylvania |
|--|------------|---------------|--------------|
| 2-(2-butoxyethoxy)ethanol<br>112-34-5    | X          | -             | X            |
| Ethanol<br>64-17-5                       | X          | X             | X            |
| Sodium Hydroxide<br>1310-73-2            | X          | X             | X            |
| Trisodium nitrilotriacetate<br>5064-31-3 | -          | X             | -            |

#### U.S. EPA Label Information

EPA Pesticide Registration Number 1839-83-89809



**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling 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 chemicals. See the product label for the FIFRA hazard information as required on the pesticide label.

**16. OTHER INFORMATION**

|                    |                  |                |                    |                                    |
|--------------------|------------------|----------------|--------------------|------------------------------------|
| <b><u>NFPA</u></b> | Health hazards 3 | Flammability 0 | Instability 0      | Physical and Chemical Properties - |
| <b><u>HMIS</u></b> | Health hazards 3 | Flammability 0 | Physical hazards 0 | Personal protection B              |

**Issue Date** 15-Dec-2021

**Revision Date** 15-Dec-2021

**Revision Note**

No Information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**