



## Safety Data Sheet

Copyright, 2025, 3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

**Document Group:** 24-1364-9  
**Issue Date:** 04/21/25

**Version Number:** 10.01  
**Supersedes Date:** 06/04/24

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Neutral Quat Disinfectant Cleaner Concentrate (Product No. 23, 3M™ Chemical Management Systems)

#### Product Identification Numbers

61-0000-6347-1, 61-0000-6348-9, 61-0000-6383-6, 61-0000-6384-4, 61-0000-6422-2, 70-0713-1495-2, 70-0713-1498-6, 70-0713-1499-4, 70-0713-1500-9, 70-0716-5991-9, 70-0716-6112-1  
7100003442, 7100134549, 7010383630, 7000052529, 7010340388, 7010364130, 7010364144, 7010309281, 7010328512, 7010342270, 7010364159, 7100151480

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Disinfectant, EPA-registered, quaternary disinfectant cleaner for hospital use. Kills HIV-1, MRSA, VRE, Herpes Simplex I and II, and other pathogens. Rinse-free, low-foaming, neutral pH formula.

#### 1.3. Supplier's details

**MANUFACTURER:** 3M  
**DIVISION:** Commercial Branding and Transportation Division  
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000, USA  
**Telephone:** 1-888-3M HELPS (1-888-364-3577)

#### 1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

### SECTION 2: Hazard identification

The label elements below were prepared in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200. This information may be different from the actual product label information for labels regulated by other agencies.

#### 2.1. Hazard classification

Corrosive to metal: Category 1.  
Acute Toxicity (oral): Category 4.  
Serious Eye Damage/Irritation: Category 1.  
Skin Corrosion/Irritation: Category 1B.  
Reproductive Toxicity: Category 2.  
Specific Target Organ Toxicity (repeated exposure): Category 1.

#### 2.2. Label elements

**Signal word**

Danger

**Symbols**

Corrosion | Exclamation mark | Health Hazard |

**Pictograms****Hazard Statements**

May be corrosive to metals.

Harmful if swallowed.

Causes severe skin burns and eye damage.

Suspected of damaging fertility or the unborn child.

Causes damage to organs through prolonged or repeated exposure:  
respiratory system |**Precautionary Statements****Prevention:**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep only in original container.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wear protective gloves, protective clothing, and eye/face protection.

Do not eat, drink or smoke when using this product.

Wash thoroughly after handling.

**Response:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

Wash contaminated clothing before reuse.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Absorb spillage to prevent material damage.

**Storage:**

Store in a corrosive resistant container with a resistant inner liner.

Store locked up.

**Disposal:**

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

**2.3. Hazards not otherwise classified**

May cause chemical gastrointestinal burns.

4% of the mixture consists of ingredients of unknown acute oral toxicity.

4% of the mixture consists of ingredients of unknown acute dermal toxicity.

### SECTION 3: Composition/information on ingredients

| Ingredient                                    | C.A.S. No.    | % by Wt                  |
|-----------------------------------------------|---------------|--------------------------|
| Water                                         | 7732-18-5     | 60 - 90 Trade Secret *   |
| Didecyltrimonium Chloride                     | 7173-51-5     | 10 - 11 Trade Secret *   |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | 68424-85-1    | 5 - 7 Trade Secret *     |
| Octyl Dimethyl Amine Oxide                    | 2605-78-9     | 3 - 5 Trade Secret *     |
| EDTA                                          | 60-00-4       | 2 - 3 Trade Secret *     |
| Ethanol                                       | 64-17-5       | 2 - 3 Trade Secret *     |
| Sodium Hydroxide                              | 1310-73-2     | 0.5 - 1.5 Trade Secret * |
| Fragrance                                     | Trade Secret* | <= 1 Trade Secret *      |
| Methanol                                      | 67-56-1       | < 0.5 Trade Secret *     |
| Yellow 5                                      | 1934-21-0     | < 0.1 Trade Secret *     |
| Acid Green 25                                 | 4403-90-1     | < 0.05 Trade Secret *    |

\*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation:

Remove person to fresh air. If you feel unwell, get medical attention.

##### Skin Contact:

Immediately flush with large amounts of water for at least 15 minutes. Remove contaminated clothing. Get immediate medical attention. Wash clothing before reuse.

##### Eye Contact:

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

##### If Swallowed:

Rinse mouth. Do not induce vomiting. Get immediate medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

Skin burns (localized redness, swelling, itching, intense pain, blistering, and tissue destruction). Serious damage to the eyes (corneal cloudiness, severe pain, tearing, ulcerations, and significantly impaired or loss of vision). Target organ effects following prolonged or repeated exposure. See Section 11 for additional details.

#### 4.3. Indication of any immediate medical attention and special treatment required

Not applicable.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

Use a fire fighting agent suitable for the surrounding fire.

#### 5.2. Special hazards arising from the substance or mixture

None inherent in this product.

#### 5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS. Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice.

### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

### 6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a metal container approved for use in transportation by appropriate authorities. The container must be lined with polyethylene plastic or contain a plastic drum liner made of polyethylene. Clean up residue with water. Cover, but do not seal for 48 hours. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

This product is not intended to be used without prior dilution as specified on the product label. Grounding or safety shoes with electrostatic dissipating soles (ESD) are not required with a chemical dispensing system. Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Use personal protective equipment (gloves, respirators, etc.) as required.

### 7.2. Conditions for safe storage including any incompatibilities

Keep only in original container. Store in a corrosive resistant container with a resistant inner liner. Store away from acids. Store away from areas where product may come into contact with food or pharmaceuticals.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient       | C.A.S. No. | Agency | Limit type               | Additional Comments  |
|------------------|------------|--------|--------------------------|----------------------|
| Sodium Hydroxide | 1310-73-2  | OSHA   | TWA:2 mg/m3              |                      |
| Sodium Hydroxide | 1310-73-2  | ACGIH  | CEIL:2 mg/m3             |                      |
| Ethanol          | 64-17-5    | OSHA   | TWA:1900 mg/m3(1000 ppm) |                      |
| Ethanol          | 64-17-5    | ACGIH  | STEL:1000 ppm            | A3: Confirmed animal |

|           |              |       |                          |                                                   |
|-----------|--------------|-------|--------------------------|---------------------------------------------------|
|           |              |       |                          | carcin.                                           |
| Methanol  | 67-56-1      | OSHA  | TWA:260 mg/m3(200 ppm)   |                                                   |
| Methanol  | 67-56-1      | ACGIH | TWA:200 ppm;STEL:250 ppm | Danger of cutaneous absorption                    |
| Fragrance | Trade Secret | ACGIH | TWA:20 ppm               | A4: Not class. as human carcin, Dermal Sensitizer |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

## 8.2. Exposure controls

### 8.2.1. Engineering controls

NOTE: When used with a chemical dispensing system as directed, special ventilation is not required. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

NOTE: When used with a chemical dispensing system as directed, eye contact with the concentrate is not expected to occur. The following protection(s) are recommended if the product is not used with a chemical dispensing system or if there is an accidental release, wear protective eye/face protection. Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Full Face Shield

Indirect Vented Goggles

#### Skin/hand protection

NOTE: When used with a chemical dispensing system as directed, skin contact with the concentrate is not expected to occur. If product is not used with a chemical dispensing system or if there is an accidental release:

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.

Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

Gloves made from the following material(s) are recommended: Polymer laminate

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary.

If product is not used with a chemical dispensing system or if there is an accidental release:

Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended:

Apron - polymer laminate

Boots - Rubber

#### Respiratory protection

NOTE: When used with a chemical dispensing system as directed, respiratory protection is not required.

If product is not used with a chemical dispensing system or if there is an accidental release:

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use

respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

Half facepiece or full facepiece supplied-air respirator

Organic vapor cartridges may have short service life.

For questions about suitability for a specific application, consult with your respirator manufacturer.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state

Liquid

Color

Dark Green

Specific Physical Form:

Liquid

Odor

Moderate Lemon

Odor threshold

*No Data Available*

pH

7 - 8.2

Melting point

*Not Applicable*

Boiling Point

> 212 °F

Flash Point

No flash point

Evaporation rate

*No Data Available*

Flammability (solid, gas)

Not Applicable

Flammable Limits(LEL)

*Not Applicable*

Flammable Limits(UEL)

*Not Applicable*

Vapor Pressure

*No Data Available*

Vapor Density

*No Data Available*

Density

0.991 - 1.003 g/ml

Specific Gravity

0.991 - 1.003 [Ref Std: WATER=1]

Solubility in Water

Complete

Solubility- non-water

*No Data Available*

Partition coefficient: n-octanol/ water

*No Data Available*

Autoignition temperature

*No Data Available*

Decomposition temperature

*No Data Available*

Viscosity

17.33 centipoise

Volatile Organic Compounds

< 3 % weight

Percent volatile

60 - 90 % weight

VOC Less H<sub>2</sub>O & Exempt Solvents

< 110 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Not determined

### 10.5. Incompatible materials

Strong acids

#### 10.6. Hazardous decomposition products

| <u>Substance</u>   | <u>Condition</u> |
|--------------------|------------------|
| Carbon monoxide    | Not Specified    |
| Carbon dioxide     | Not Specified    |
| Oxides of Nitrogen | Not Specified    |

### SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

#### 11.1. Information on Toxicological effects

##### Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

##### Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

May cause additional health effects (see below).

##### Skin Contact:

Corrosive (Skin Burns): Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

May cause additional health effects (see below).

##### Eye Contact:

Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

##### Ingestion:

Harmful if swallowed. Gastrointestinal Corrosion: Signs/symptoms may include severe mouth, throat and abdominal pain; nausea; vomiting; and diarrhea; blood in the feces and/or vomitus may also be seen.

May cause additional health effects (see below).

##### Additional Health Effects:

##### Prolonged or repeated exposure may cause target organ effects:

Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

##### Reproductive/Developmental Toxicity:

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

##### Additional Information:

This product contains ethanol. Alcoholic beverages and ethanol in alcoholic beverages have been classified by the International Agency for Research on Cancer as carcinogenic to humans. There are also data associating human consumption of alcoholic beverages with developmental toxicity and liver toxicity. Exposure to ethanol during the foreseeable use of this product is not expected to cause cancer, developmental toxicity, or liver toxicity.

### Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

### Acute Toxicity

| Name                                          | Route                          | Species                | Value                                                 |
|-----------------------------------------------|--------------------------------|------------------------|-------------------------------------------------------|
| Overall product                               | Dermal                         |                        | No data available; calculated ATE >5,000 mg/kg        |
| Overall product                               | Ingestion                      |                        | No data available; calculated ATE >300 - <2,000 mg/kg |
| Didecyldimonium Chloride                      | Dermal                         | Rabbit                 | LD50 3,328 mg/kg                                      |
| Didecyldimonium Chloride                      | Ingestion                      | Rat                    | LD50 264 mg/kg                                        |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | Dermal                         | Rabbit                 | LD50 3,413 mg/kg                                      |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 0.25 mg/l                                        |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | Ingestion                      | Rat                    | LD50 398 mg/kg                                        |
| EDTA                                          | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 1.5 mg/l                                       |
| EDTA                                          | Ingestion                      | Rat                    | LD50 4,500 mg/kg                                      |
| EDTA                                          | Dermal                         | similar health hazards | LD50 estimated to be 2,000 - 5,000 mg/kg              |
| Ethanol                                       | Dermal                         | Rabbit                 | LD50 > 15,800 mg/kg                                   |
| Ethanol                                       | Inhalation-Vapor (4 hours)     | Rat                    | LC50 124.7 mg/l                                       |
| Ethanol                                       | Ingestion                      | Rat                    | LD50 17,800 mg/kg                                     |
| Methanol                                      | Dermal                         |                        | LD50 estimated to be 1,000 - 2,000 mg/kg              |
| Methanol                                      | Inhalation-Vapor               |                        | LC50 estimated to be 10 - 20 mg/l                     |
| Methanol                                      | Ingestion                      |                        | LD50 estimated to be 50 - 300 mg/kg                   |
| Yellow 5                                      | Ingestion                      | Mouse                  | LD50 12,750 mg/kg                                     |
| Yellow 5                                      | Dermal                         | similar health hazards | LD50 estimated to be > 5,000 mg/kg                    |
| Fragrance                                     | Dermal                         | Rat                    | LD50 > 2,000 mg/kg                                    |
| Fragrance                                     | Ingestion                      | Rat                    | LD50 >300, <2,000 mg/kg                               |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name                                          | Species       | Value                     |
|-----------------------------------------------|---------------|---------------------------|
| Didecyldimonium Chloride                      | Rabbit        | Corrosive                 |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | Rabbit        | Corrosive                 |
| EDTA                                          | Rabbit        | No significant irritation |
| Ethanol                                       | Rabbit        | No significant irritation |
| Sodium Hydroxide                              | Rabbit        | Corrosive                 |
| Methanol                                      | Rabbit        | Mild irritant             |
| Yellow 5                                      | In vitro data | No significant irritation |
| Fragrance                                     | In vitro data | Irritant                  |

### Serious Eye Damage/Irritation

| Name | Species | Value |
|------|---------|-------|
|      |         |       |

|                                               |               |                           |
|-----------------------------------------------|---------------|---------------------------|
| Didecyldimonium Chloride                      | Rabbit        | Corrosive                 |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | Rabbit        | Corrosive                 |
| EDTA                                          | Rabbit        | Severe irritant           |
| Ethanol                                       | Rabbit        | Severe irritant           |
| Sodium Hydroxide                              | Rabbit        | Corrosive                 |
| Methanol                                      | Rabbit        | Moderate irritant         |
| Fragrance                                     | In vitro data | No significant irritation |

### Skin Sensitization

| Name                                          | Species                | Value          |
|-----------------------------------------------|------------------------|----------------|
| Didecyldimonium Chloride                      | Guinea pig             | Not classified |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | Guinea pig             | Not classified |
| EDTA                                          | Human and animal       | Not classified |
| Ethanol                                       | Human                  | Not classified |
| Sodium Hydroxide                              | Human                  | Not classified |
| Methanol                                      | Guinea pig             | Not classified |
| Yellow 5                                      | Mouse                  | Not classified |
| Fragrance                                     | Professional judgement | Sensitizing    |

### Respiratory Sensitization

For the component/components, either no data are currently available or the data are not sufficient for classification.

### Germ Cell Mutagenicity

| Name                                          | Route    | Value                                                                        |
|-----------------------------------------------|----------|------------------------------------------------------------------------------|
| Didecyldimonium Chloride                      | In Vitro | Not mutagenic                                                                |
| Didecyldimonium Chloride                      | In vivo  | Not mutagenic                                                                |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | In Vitro | Not mutagenic                                                                |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | In vivo  | Not mutagenic                                                                |
| EDTA                                          | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| EDTA                                          | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| Ethanol                                       | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Ethanol                                       | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| Sodium Hydroxide                              | In Vitro | Not mutagenic                                                                |
| Methanol                                      | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Methanol                                      | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| Yellow 5                                      | In Vitro | Not mutagenic                                                                |
| Yellow 5                                      | In vivo  | Not mutagenic                                                                |
| Fragrance                                     | In Vitro | Not mutagenic                                                                |

### Carcinogenicity

| Name                                          | Route     | Species                 | Value                                          |
|-----------------------------------------------|-----------|-------------------------|------------------------------------------------|
| Didecyldimonium Chloride                      | Ingestion | Rat                     | Not carcinogenic                               |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | Ingestion | Rat                     | Not carcinogenic                               |
| EDTA                                          | Ingestion | Multiple animal species | Not carcinogenic                               |
| Ethanol                                       | Ingestion | Multiple                | Some positive data exist, but the data are not |

|          |            |                         |                               |
|----------|------------|-------------------------|-------------------------------|
|          |            | animal species          | sufficient for classification |
| Methanol | Inhalation | Multiple animal species | Not carcinogenic              |
| Yellow 5 | Ingestion  | Rat                     | Not carcinogenic              |

## Reproductive Toxicity

### Reproductive and/or Developmental Effects

| Name                                          | Route      | Value                                  | Species | Test Result           | Exposure Duration            |
|-----------------------------------------------|------------|----------------------------------------|---------|-----------------------|------------------------------|
| Didecyldimonium Chloride                      | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 137 mg/kg/day   | 2 generation                 |
| Didecyldimonium Chloride                      | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 109 mg/kg/day   | 2 generation                 |
| Didecyldimonium Chloride                      | Ingestion  | Not classified for development         | Rabbit  | NOAEL 12 mg/kg/day    | during gestation             |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 48 mg/kg/day    | 2 generation                 |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 30.5 mg/kg/day  | 2 generation                 |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | Ingestion  | Not classified for development         | Rat     | NOAEL 48 mg/kg/day    | 2 generation                 |
| EDTA                                          | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 250 mg/kg/day   | 4 generation                 |
| EDTA                                          | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 250 mg/kg/day   | 4 generation                 |
| EDTA                                          | Ingestion  | Not classified for development         | Rat     | LOAEL 1,000 mg/kg/day | during gestation             |
| Ethanol                                       | Inhalation | Not classified for development         | Rat     | NOAEL 38 mg/l         | during gestation             |
| Ethanol                                       | Ingestion  | Not classified for development         | Rat     | NOAEL 5,200 mg/kg/day | premating & during gestation |
| Methanol                                      | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 1,600 mg/kg/day | 21 days                      |
| Methanol                                      | Ingestion  | Toxic to development                   | Mouse   | LOAEL 4,000 mg/kg/day | during organogenesis         |
| Methanol                                      | Inhalation | Toxic to development                   | Mouse   | NOAEL 1.3 mg/l        | during organogenesis         |
| Yellow 5                                      | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 3,348 mg/kg/day | 1 generation                 |
| Yellow 5                                      | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 2,641 mg/kg/day | 1 generation                 |
| Yellow 5                                      | Ingestion  | Not classified for development         | Rat     | NOAEL 3,348 mg/kg/day | 1 generation                 |
| Fragrance                                     | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 466 mg/kg/day   | 2 generation                 |
| Fragrance                                     | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 466 mg/kg/day   | 2 generation                 |
| Fragrance                                     | Ingestion  | Not classified for development         | Rat     | NOAEL 110 mg/kg/day   | during gestation             |
| Fragrance                                     | Inhalation | Not classified for male reproduction   | Mouse   | NOAEL 0.28 mg/l       | 90 days                      |

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure

| Name                     | Route      | Target Organ(s)        | Value                            | Species        | Test Result         | Exposure Duration |
|--------------------------|------------|------------------------|----------------------------------|----------------|---------------------|-------------------|
| Didecyldimonium Chloride | Inhalation | respiratory irritation | May cause respiratory irritation | similar health | NOAEL Not available |                   |

|                                               |            |                                   |                                                                              | hazards                 |                     |                        |
|-----------------------------------------------|------------|-----------------------------------|------------------------------------------------------------------------------|-------------------------|---------------------|------------------------|
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | similar health hazards  | NOAEL Not Available |                        |
| EDTA                                          | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | similar health hazards  | NOAEL Not available |                        |
| Ethanol                                       | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                   | LOAEL 9.4 mg/l      | not available          |
| Ethanol                                       | Inhalation | central nervous system depression | Not classified                                                               | Human and animal        | NOAEL not available |                        |
| Ethanol                                       | Ingestion  | central nervous system depression | Not classified                                                               | Multiple animal species | NOAEL not available |                        |
| Ethanol                                       | Ingestion  | kidney and/or bladder             | Not classified                                                               | Dog                     | NOAEL 3,000 mg/kg   |                        |
| Sodium Hydroxide                              | Inhalation | respiratory irritation            | May cause respiratory irritation                                             | Human                   | NOAEL Not available |                        |
| Methanol                                      | Inhalation | blindness                         | Causes damage to organs                                                      | Human                   | NOAEL Not available | occupational exposure  |
| Methanol                                      | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | Human                   | NOAEL Not available | not available          |
| Methanol                                      | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL Not available | 6 hours                |
| Methanol                                      | Ingestion  | blindness                         | Causes damage to organs                                                      | Human                   | NOAEL Not available | poisoning and/or abuse |
| Methanol                                      | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | Human                   | NOAEL Not available | poisoning and/or abuse |
| Fragrance                                     | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | similar health hazards  | NOAEL Not available |                        |

**Specific Target Organ Toxicity - repeated exposure**

| Name                                          | Route      | Target Organ(s)                                                                                                                                                                                                                            | Value                                                          | Species | Test Result         | Exposure Duration |
|-----------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------|---------------------|-------------------|
| Didecyltrimonium Chloride                     | Ingestion  | gastrointestinal tract   hematopoietic system   immune system   heart   skin   endocrine system   bone, teeth, nails, and/or hair   liver   muscles   nervous system   eyes   kidney and/or bladder   respiratory system   vascular system | Not classified                                                 | Rat     | NOAEL 175 mg/kg/day | 13 weeks          |
| Alkyl C12-16 Dimethylbenzyl Ammonium Chloride | Ingestion  | heart   endocrine system   gastrointestinal tract   bone, teeth, nails, and/or hair   hematopoietic system   liver   immune system   nervous system   eyes   kidney and/or bladder   respiratory system   vascular system                  | Not classified                                                 | Rat     | NOAEL 50 mg/kg/day  | 95 days           |
| EDTA                                          | Inhalation | respiratory system                                                                                                                                                                                                                         | Causes damage to organs through prolonged or repeated exposure | Rat     | NOAEL 0.003 mg/l    | 13 weeks          |
| EDTA                                          | Inhalation | liver   heart   skin                                                                                                                                                                                                                       | Not classified                                                 | Rat     | NOAEL               | 13 weeks          |

|           |            |                                                                                                                                                                                                                                                                                   |                                                                                    |        |                             |           |
|-----------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|-----------------------------|-----------|
|           |            | endocrine system  <br>gastrointestinal tract<br>  bone, teeth, nails,<br>and/or hair  <br>hematopoietic<br>system   immune<br>system   muscles  <br>nervous system  <br>eyes   kidney and/or<br>bladder   vascular<br>system                                                      |                                                                                    |        | 0.015 mg/l                  |           |
| EDTA      | Ingestion  | hematopoietic<br>system   liver                                                                                                                                                                                                                                                   | Not classified                                                                     | Rat    | NOAEL<br>2,500<br>mg/kg/day | 13 weeks  |
| EDTA      | Ingestion  | heart  <br>gastrointestinal tract<br>  muscles   kidney<br>and/or bladder  <br>respiratory system                                                                                                                                                                                 | Not classified                                                                     | Rat    | NOAEL<br>5,000<br>mg/kg/day | 13 weeks  |
| Ethanol   | Inhalation | liver                                                                                                                                                                                                                                                                             | Some positive data exist, but the<br>data are not sufficient for<br>classification | Rabbit | LOAEL 124<br>mg/l           | 365 days  |
| Ethanol   | Inhalation | hematopoietic<br>system   immune<br>system                                                                                                                                                                                                                                        | Not classified                                                                     | Rat    | NOAEL 25<br>mg/l            | 14 days   |
| Ethanol   | Ingestion  | liver                                                                                                                                                                                                                                                                             | Some positive data exist, but the<br>data are not sufficient for<br>classification | Rat    | LOAEL<br>8,000<br>mg/kg/day | 4 months  |
| Ethanol   | Ingestion  | kidney and/or<br>bladder                                                                                                                                                                                                                                                          | Not classified                                                                     | Dog    | NOAEL<br>3,000<br>mg/kg/day | 7 days    |
| Methanol  | Inhalation | liver                                                                                                                                                                                                                                                                             | Not classified                                                                     | Rat    | NOAEL 6.55<br>mg/l          | 4 weeks   |
| Methanol  | Inhalation | respiratory system                                                                                                                                                                                                                                                                | Not classified                                                                     | Rat    | NOAEL 13.1<br>mg/l          | 6 weeks   |
| Methanol  | Ingestion  | liver   nervous<br>system                                                                                                                                                                                                                                                         | Not classified                                                                     | Rat    | NOAEL<br>2,500<br>mg/kg/day | 90 days   |
| Yellow 5  | Ingestion  | heart   skin  <br>endocrine system  <br>gastrointestinal tract<br>  bone, teeth, nails,<br>and/or hair  <br>hematopoietic<br>system   liver  <br>immune system  <br>muscles   nervous<br>system   eyes  <br>kidney and/or<br>bladder   respiratory<br>system   vascular<br>system | Not classified                                                                     | Mouse  | NOAEL<br>8,103<br>mg/kg/day | 104 weeks |
| Fragrance | Inhalation | hematopoietic<br>system   liver                                                                                                                                                                                                                                                   | Not classified                                                                     | Rat    | NOAEL 2.2<br>mg/l           | 90 days   |
| Fragrance | Inhalation | kidney and/or<br>bladder                                                                                                                                                                                                                                                          | Not classified                                                                     | Mouse  | NOAEL 0.28<br>mg/l          | 90 days   |
| Fragrance | Inhalation | heart   skin  <br>endocrine system  <br>gastrointestinal tract<br>  bone, teeth, nails,<br>and/or hair  <br>immune system  <br>nervous system  <br>eyes   respiratory<br>system   vascular<br>system                                                                              | Not classified                                                                     | Rat    | NOAEL 2.2<br>mg/l           | 90 days   |
| Fragrance | Ingestion  | immune system                                                                                                                                                                                                                                                                     | Not classified                                                                     | Rat    | NOAEL 788<br>mg/kg/day      | 21 days   |

**Aspiration Hazard**

| Name      | Value             |
|-----------|-------------------|
| Fragrance | Aspiration hazard |

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

**SECTION 12: Ecological information****Ecotoxicological information**

A 3M Product Environmental Data Sheet (PED) is available.

**Chemical fate information**

A 3M Product Environmental Data Sheet (PED) is available.

**SECTION 13: Disposal considerations****13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

**EPA Hazardous Waste Number (RCRA):** D002 (Corrosive), D018 (Benzene)

**SECTION 14: Transport Information**

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

**SECTION 15: Regulatory information****15.1. US Federal Regulations****EPCRA 311/312 Hazard Classifications:****Physical Hazards**

Corrosive to metal

**Health Hazards**

Acute toxicity

Hazard Not Otherwise Classified (HNOC)

Reproductive toxicity

Serious eye damage or eye irritation

Skin Corrosion or Irritation

Specific target organ toxicity (single or repeated exposure)

**FIFRA****Status**

Registered

**Registration Number**

47371-129-10350

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

**PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER. CORROSIVE.** Causes irreversible eye damage and skin burns. Harmful if swallowed.

Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and protective gloves (rubber or chemical resistant) Harmful if inhaled. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**FIRST AID:**

**IF IN EYES:** 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.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** 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. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

**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 Disposal:** Nonrefillable container. Do not reuse or refill this container. Wrap empty container and put in trash.

**15.2. State Regulations****15.3. Chemical Inventories**

The components of this product are in compliance with the new substance notification requirements of CEPA.

The components of this material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information.

The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information.

This product complies with the New Zealand Hazardous Substances and New Organisms Act (1996).

**15.4. International Regulations**

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

**SECTION 16: Other information****NFPA Hazard Classification****Health:** 3 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None**Corrosive:** Yes

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

**Document Group:** 24-1364-9**Version Number:** 10.01**Issue Date:** 04/21/25**Supersedes Date:** 06/04/24

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from 3M.

**3M USA SDSs are available at [www.3M.com](http://www.3M.com)**