



## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Product identifier

3M™ HB Quat Disinfectant Cleaner Concentrate (Product No. 25, 3M™ Chemical Management Systems)

##### Product Identification Numbers

| ID Number      | UPC              | ID Number      | UPC              |
|----------------|------------------|----------------|------------------|
| 61-0000-6350-5 |                  | 61-0000-6351-3 |                  |
| 61-0000-6386-9 |                  | 61-0000-6387-7 |                  |
| 61-0000-6414-9 |                  | 70-0715-9166-6 | 00-48011-59741-1 |
| 70-0715-9183-1 | 00-48011-23550-4 | 70-0715-9184-9 | 00-48011-23582-5 |
| 70-0715-9187-2 | 00-48011-23551-1 | 70-0715-9189-8 | 00-48011-23581-8 |
| 70-0716-5819-2 |                  |                |                  |

7010340864, 7000053094, 7000053093, 7100134180, 7010316439, 7010328504, 7010291304, 7010292383, 7010364145, 7010385953, 7010364156

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

**Recommended use**  
Disinfectant

#### 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

Flammable Liquid: Category 3.

Acute Toxicity (oral): Category 4.

Serious Eye Damage/Irritation: Category 1.

Skin Corrosion/Irritation: Category 1.

Specific Target Organ Toxicity (repeated exposure): Category 1.

## 2.2. Label elements

### Signal word

Danger

### Symbols

Flame | Corrosion | Exclamation mark | Health Hazard |

### Pictograms



### Hazard Statements

Flammable liquid and vapor.

Harmful if swallowed.

Causes severe skin burns and eye damage.

Causes damage to organs through prolonged or repeated exposure:  
respiratory system |

### Precautionary Statements

#### Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Ground/bond container and receiving equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Keep container tightly closed.

Use explosion-proof electrical/ventilating/lighting equipment.

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.

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to

extinguish.

**Storage:**

Store in a well-ventilated place. Keep cool.

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.

5% 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  | 40 - 70 Trade Secret * |
| Alkyl C12-18 Dimethyl Ethylbenzyl Ammonium Chloride | 68956-79-6 | 10 - 15 Trade Secret * |
| Alkyl C12-18 Dimethylbenzyl Ammonium Chloride       | 68391-01-5 | 10 - 15 Trade Secret * |
| C12-15 Alcohols Ethoxylated                         | 68131-39-5 | 5 - 10 Trade Secret *  |
| Tetrasodium EDTA                                    | 64-02-8    | 3 - 7 Trade Secret *   |
| Ethanol                                             | 64-17-5    | 1 - 5 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

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

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

Closed containers exposed to heat from fire may build pressure and explode.

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

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## 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. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. 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. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode.

### 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. Cover spill area with a fire extinguishing foam that is resistant to polar solvents. 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 using non-sparking tools. 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

For industrial/occupational use only. Not for consumer sale or use. 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 away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. 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. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Keep away from reactive metals (eg. Aluminum, zinc etc.) to avoid the formation of hydrogen gas that could create an explosion hazard. Wear low static or properly grounded shoes. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapor accumulation. Ground/bond container and

receiving equipment if there is potential for static electricity accumulation during transfer.

## 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store away from acids. Store away from oxidizing agents.

# 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          |
|------------|------------|--------|--------------------------|------------------------------|
| Ethanol    | 64-17-5    | ACGIH  | STEL:1000 ppm            | A3: Confirmed animal carcin. |
| Ethanol    | 64-17-5    | OSHA   | TWA:1900 mg/m3(1000 ppm) |                              |

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. Use explosion-proof ventilation 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

### 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 particulates

Half facepiece or full facepiece supplied-air respirator

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

Colorless

#### Specific Physical Form:

Liquid

#### Odor

Neutral

#### Odor threshold

No Data Available

#### pH

12.1 - 13.3

#### Melting point

Not Applicable

#### Boiling Point

> 133 °F

#### Flash Point

Approximately 133 °F [Test Method: Tagliabue Closed Cup]

#### Evaporation rate

No Data Available

#### Flammability (solid, gas)

Not Applicable

#### Flammable Limits(LEL)

No Data Available

#### Flammable Limits(UEL)

No Data Available

#### Vapor Pressure

No Data Available

#### Vapor Density

No Data Available

#### Density

No Data Available

#### Specific Gravity

1.009 - 1.023 [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

47.33 centipoise

#### Volatile Organic Compounds

3 - 7 % weight

#### Percent volatile

40 - 75 %

#### VOC Less H2O & Exempt Solvents

70 - 120 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**

| <b><u>Substance</u></b> | <b><u>Condition</u></b> |
|-------------------------|-------------------------|
| 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:**

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.

**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:**

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.

**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.

**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 |
| Alkyl C12-18 Dimethylbenzyl Ammonium Chloride | Dermal                         | Not available          | LD50 > 2,000 mg/kg                                    |
| Alkyl C12-18 Dimethylbenzyl Ammonium Chloride | Ingestion                      | Not available          | LD50 500 mg/kg                                        |
| C12-15 Alcohols Ethoxylated                   | Ingestion                      | similar compounds      | LD50 > 2,000 mg/kg                                    |
| C12-15 Alcohols Ethoxylated                   | Dermal                         | similar health hazards | LD50 estimated to be > 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                                     |
| Tetrasodium EDTA                              | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 1.5 mg/l                                       |
| Tetrasodium EDTA                              | Ingestion                      | Rat                    | LD50 1,658 mg/kg                                      |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name                                          | Species               | Value                     |
|-----------------------------------------------|-----------------------|---------------------------|
| Alkyl C12-18 Dimethylbenzyl Ammonium Chloride | Professional judgment | Corrosive                 |
| C12-15 Alcohols Ethoxylated                   | Rabbit                | Mild irritant             |
| Ethanol                                       | Rabbit                | No significant irritation |
| Tetrasodium EDTA                              | Rabbit                | No significant irritation |

#### Serious Eye Damage/Irritation

| Name                                          | Species               | Value                     |
|-----------------------------------------------|-----------------------|---------------------------|
| Alkyl C12-18 Dimethylbenzyl Ammonium Chloride | Professional judgment | Corrosive                 |
| C12-15 Alcohols Ethoxylated                   | similar compounds     | No significant irritation |
| Ethanol                                       | Rabbit                | Severe irritant           |
| Tetrasodium EDTA                              | Rabbit                | Corrosive                 |

#### Skin Sensitization

| Name                        | Species | Value          |
|-----------------------------|---------|----------------|
| C12-15 Alcohols Ethoxylated | similar | Not classified |



|                  | compounds        |                |
|------------------|------------------|----------------|
| Ethanol          | Human            | Not classified |
| Tetrasodium EDTA | Human and animal | Not classified |

### 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                                                                        |
|-----------------------------|----------|------------------------------------------------------------------------------|
| C12-15 Alcohols Ethoxylated | In Vitro | Not mutagenic                                                                |
| 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 |
| Tetrasodium EDTA            | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Tetrasodium EDTA            | In vivo  | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

| Name             | Route     | Species                 | Value                                                                        |
|------------------|-----------|-------------------------|------------------------------------------------------------------------------|
| Ethanol          | Ingestion | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |
| Tetrasodium EDTA | Ingestion | Multiple animal species | Not carcinogenic                                                             |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name                        | Route      | Value                                  | Species | Test Result           | Exposure Duration            |
|-----------------------------|------------|----------------------------------------|---------|-----------------------|------------------------------|
| C12-15 Alcohols Ethoxylated | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 1,000 mg/kg/day | premating into lactation     |
| C12-15 Alcohols Ethoxylated | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 1,000 mg/kg/day | 29 days                      |
| C12-15 Alcohols Ethoxylated | Ingestion  | Not classified for development         | Rat     | NOAEL 300 mg/kg/day   | premating into lactation     |
| 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 |
| Tetrasodium EDTA            | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 250 mg/kg/day   | 4 generation                 |
| Tetrasodium EDTA            | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 250 mg/kg/day   | 4 generation                 |
| Tetrasodium EDTA            | Ingestion  | Not classified for development         | Rat     | LOAEL 1,000 mg/kg/day | during gestation             |

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

| Name                                          | Route      | Target Organ(s)        | Value                            | Species | Test Result         | Exposure Duration |
|-----------------------------------------------|------------|------------------------|----------------------------------|---------|---------------------|-------------------|
| Alkyl C12-18 Dimethylbenzyl Ammonium Chloride | Inhalation | respiratory irritation | May cause respiratory irritation |         | NOAEL Not available |                   |

|                                |            |                                   |                                                                              |                         |                     |               |
|--------------------------------|------------|-----------------------------------|------------------------------------------------------------------------------|-------------------------|---------------------|---------------|
| C12-15 Alcohols<br>Ethoxylated | 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   |               |
| Tetrasodium EDTA               | 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 |
|--------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------|-----------------------|-------------------|
| C12-15 Alcohols<br>Ethoxylated | Ingestion  | endocrine system   gastrointestinal tract   liver   kidney and/or bladder   hematopoietic system   nervous system   eyes                                                                                              | Not classified                                                               | Rat     | NOAEL 1,000 mg/kg/day | 13 weeks          |
| Ethanol                        | Inhalation | liver                                                                                                                                                                                                                 | Some positive data exist, but the data are not sufficient for classification | Rabbit  | LOAEL 124 mg/l        | 365 days          |
| Ethanol                        | Inhalation | hematopoietic system   immune system                                                                                                                                                                                  | Not classified                                                               | Rat     | NOAEL 25 mg/l         | 14 days           |
| Ethanol                        | Ingestion  | liver                                                                                                                                                                                                                 | Some positive data exist, but the data are not sufficient for classification | Rat     | LOAEL 8,000 mg/kg/day | 4 months          |
| Ethanol                        | Ingestion  | kidney and/or bladder                                                                                                                                                                                                 | Not classified                                                               | Dog     | NOAEL 3,000 mg/kg/day | 7 days            |
| Tetrasodium EDTA               | Inhalation | respiratory system                                                                                                                                                                                                    | Causes damage to organs through prolonged or repeated exposure               | Rat     | NOAEL 0.003 mg/l      | 13 weeks          |
| Tetrasodium EDTA               | Inhalation | liver   heart   skin   endocrine system   gastrointestinal tract   bone, teeth, nails, and/or hair   hematopoietic system   immune system   muscles   nervous system   eyes   kidney and/or bladder   vascular system | Not classified                                                               | Rat     | NOAEL 0.015 mg/l      | 13 weeks          |
| Tetrasodium EDTA               | Ingestion  | hematopoietic system   liver                                                                                                                                                                                          | Not classified                                                               | Rat     | NOAEL 2,500 mg/kg/day | 13 weeks          |
| Tetrasodium EDTA               | Ingestion  | heart   gastrointestinal tract   muscles   kidney and/or bladder   respiratory system                                                                                                                                 | Not classified                                                               | Rat     | NOAEL 5,000 mg/kg/day | 13 weeks          |

**Aspiration Hazard**

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

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.

Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. 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):** D001 (Ignitable), D002 (Corrosive)

## 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

Flammable (gases, aerosols, liquids, or solids)

##### Health Hazards

Acute toxicity

Hazard Not Otherwise Classified (HNOC)

Serious eye damage or eye irritation

Skin Corrosion or Irritation

Specific target organ toxicity (single or repeated exposure)

#### FIFRA

##### Status

Registered

##### Registration Number

61178-5-10350

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

##### KEEP OUT OF REACH OF CHILDREN:

Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Wear protective eyewear (goggles, face shield or safety glasses). Wear protective clothing and rubber gloves. Avoid contamination of food. 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.

##### STATEMENT OF PRACTICAL TREATMENT:

##### FIRST AID

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call a poison control center or doctor for treatment advice.

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. Call a poison control center or doctor for treatment advice.

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 a 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 mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional medical advice, call the following emergency phone number: (651) 737-6501 OR 1-800-364-3577.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

##### PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

##### STORAGE AND DISPOSAL

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

STORAGE Do not store on side. Avoid creasing or impacting of side walls. Store securely in closed original container. Avoid storage at temperature extremes or in sunlight. Avoid shipping or storing below freezing. If product freezes, thaw at room temperature and shake gently to remix components. Use locked storage in an area that will prevent cross-contamination of other pesticides, fertilizer, food and feed. Store in locked area 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 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 Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Discard rinsate. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

## 15.2. State Regulations

## 15.3. Chemical Inventories

The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information.

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 the Korean Toxic Chemical Control Law. Certain restrictions may apply. Contact the selling division for additional information.

The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. 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.

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

## 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:** 2 **Instability:** 0 **Special Hazards:** None

**Acid/Base:** Alkaline **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.

### HMIS Hazard Classification

**Health:** \*3 **Flammability:** 2 **Physical Hazard:** 0 **Personal Protection:** X - See PPE section.

Hazardous Material Identification System (HMIS® IV) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® IV ratings are to be used with a fully implemented HMIS® IV program. HMIS® is a registered mark of the American Coatings Association (ACA).

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