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 Solutions 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.

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.

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.
IF exposed or concerned: Get medical advice/attention.
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.

5% of the mixture consists of ingredients of unknown acute oral toxicity.
15% of the mixture consists of ingredients of unknown acute dermal toxicity.

### SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>C.A.S. No.</th>
<th>% by Wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>60 - 90 Trade Secret *</td>
</tr>
<tr>
<td>DIDE CYL DIMETHYL AMMONIUM CHLORIDE</td>
<td>7173-51-5</td>
<td>10.14</td>
</tr>
<tr>
<td>BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES</td>
<td>68424-85-1</td>
<td>6.76</td>
</tr>
<tr>
<td>OCTYL DIMETHYLAMINE OXIDE</td>
<td>2605-78-9</td>
<td>1 - 10 Trade Secret *</td>
</tr>
<tr>
<td>ETHYLENEDIAMINETETRAACETIC ACID</td>
<td>60-00-4</td>
<td>1 - 5 Trade Secret *</td>
</tr>
<tr>
<td>ETHYL ALCOHOL</td>
<td>64-17-5</td>
<td>1 - 5 Trade Secret *</td>
</tr>
<tr>
<td>SODIUM HYDROXIDE</td>
<td>1310-73-2</td>
<td>0.5 - 1.5 Trade Secret *</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>67-56-1</td>
<td>&lt; 0.5 Trade Secret *</td>
</tr>
<tr>
<td>Yellow 5</td>
<td>1934-21-0</td>
<td>&lt; 1 Trade Secret *</td>
</tr>
<tr>
<td>C.I. ACID GREEN 25</td>
<td>4403-90-1</td>
<td>&lt; 0.05 Trade Secret *</td>
</tr>
<tr>
<td>Fragrance</td>
<td>Trade Secret*</td>
<td>&lt;= 1 Trade Secret *</td>
</tr>
</tbody>
</table>

*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

See Section 11.1. Information on toxicological effects.

#### 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
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. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

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. 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
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.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>C.A.S. No.</th>
<th>Agency</th>
<th>Limit type</th>
<th>Additional Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM HYDROXIDE</td>
<td>1310-73-2</td>
<td>ACGIH</td>
<td>CEIL: 2 mg/m^3</td>
<td></td>
</tr>
<tr>
<td>SODIUM HYDROXIDE</td>
<td>1310-73-2</td>
<td>OSHA</td>
<td>TWA: 2 mg/m^3</td>
<td></td>
</tr>
<tr>
<td>ETHYL ALCOHOL</td>
<td>64-17-5</td>
<td>ACGIH</td>
<td>STEL: 1000 ppm</td>
<td>A3: Confirmed animal carcin.</td>
</tr>
<tr>
<td>ETHYL ALCOHOL</td>
<td>64-17-5</td>
<td>OSHA</td>
<td>TWA: 1900 mg/m^3(1000 ppm)</td>
<td></td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>67-56-1</td>
<td>ACGIH</td>
<td>TWA: 200 ppm; STEL: 250 ppm</td>
<td>Danger of cutaneous absorption</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>67-56-1</td>
<td>OSHA</td>
<td>TWA: 260 mg/m^3(200 ppm)</td>
<td></td>
</tr>
</tbody>
</table>

ACGIH: American Conference of Governmental Industrial Hygienists
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. 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
- Organic vapor respirators may have short service life.

For questions about suitability for a specific application, consult with your respirator manufacturer.
9.1. Information on basic physical and chemical properties

Appearance
- Physical state: Liquid
- Color: Dark Green

Specific Physical Form: Liquid
Odor: Lemon
Odor threshold: No Data Available
pH: 6.5 - 7.5
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: 17.2 - 19.2 sec [ @ 72 °F ] [Details: S-90 Zahn # 2]
Volatile Organic Compounds: < 3 % weight
Percent volatile: 60 - 90 % weight
VOC Less H2O & 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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon monoxide</td>
<td>Not Specified</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>Not Specified</td>
</tr>
<tr>
<td>Oxides of Nitrogen</td>
<td>Not Specified</td>
</tr>
</tbody>
</table>

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:**

**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**

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall product</td>
<td>Dermal</td>
<td>No data available; calculated ATE &gt;5,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Overall product</td>
<td>Ingestion</td>
<td>No data available; calculated ATE300 - 2,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>DIDEOXYL DIMETHYLIAMMONIUM CHLORIDE</td>
<td>Ingestion</td>
<td>Rat</td>
<td>LD50 84 mg/kg</td>
</tr>
<tr>
<td>BENZYL-C12-16-ALKYLDIMETHYLIAMMONIUM</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>LD50 645 mg/kg</td>
</tr>
<tr>
<td>CHLORIDES</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

Page 7 of 12
### Benzyl-C12-16-AlkylDimethyl Ammonium Chlorides

<table>
<thead>
<tr>
<th>Ingestion</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Diaminetetraacetic Acid</td>
<td>Dermal</td>
<td>LD50 estimated to be &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>Ethylene Diaminetetraacetic Acid</td>
<td>Ingestion</td>
<td>LD50 &gt; 2,000 mg/kg</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>Dermal</td>
<td>LD50 &gt; 15,800 mg/kg</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>Inhalation-Vapor (4 hours)</td>
<td>LC50 = 124.7 mg/l</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>Ingestion</td>
<td>LD50 &gt; 17,800 mg/kg</td>
</tr>
</tbody>
</table>

### Ethyl Alcohol

- **Dermal**: Rabbit, LD50 estimated to be 1,000 - 2,000 mg/kg
- **Inhalation-Vapor**: Rat, LC50 estimated to be 10 - 20 mg/l
- **Ingestion**: Rat, LD50 estimated to be 50 - 300 mg/kg

### Methyl Alcohol

- **Dermal**: Rabbit, LD50 estimated to be 1,000 - 2,000 mg/kg
- **Inhalation-Vapor**: LC50 estimated to be 10 - 20 mg/l
- **Ingestion**: LD50 estimated to be 50 - 300 mg/kg

### Benzyl-C12-16-AlkylDimethyl Ammonium Chlorides

- **Skin Corrosion/Irritation**
  - **ETHYL ALCOHOL**: Rabbit, No significant irritation
  - **SODIUM HYDROXIDE**: Rabbit, Corrosive
  - **Methyl Alcohol**: Rabbit, Mild irritant

- **Serious Eye Damage/Irritation**
  - **ETHYL ALCOHOL**: Rabbit, Severe irritant
  - **SODIUM HYDROXIDE**: Rabbit, Corrosive
  - **Methyl Alcohol**: Rabbit, Moderate irritant

- **Skin Sensitization**
  - **ETHYL ALCOHOL**: Human, Not classified
  - **SODIUM HYDROXIDE**: Human, Not classified
  - **Methyl Alcohol**: Guinea pig, 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**
  - **ETHYL ALCOHOL**: In Vitro, Some positive data exist, but the data are not sufficient for classification
  - **ETHYL ALCOHOL**: In vivo, Some positive data exist, but the data are not sufficient for classification
  - **SODIUM HYDROXIDE**: In Vitro, Not mutagenic
  - **Methyl Alcohol**: In Vitro, Some positive data exist, but the data are not sufficient for classification
  - **Methyl Alcohol**: In vivo, Some positive data exist, but the data are not sufficient for classification

- **Carcinogenicity**
  - **ETHYL ALCOHOL**: Ingestion, Multiple animal species, Some positive data exist, but the data are not sufficient for classification
  - **Methyl Alcohol**: Inhalation, Multiple animal species, Not carcinogenic
Reproductive Toxicity

Reproductive and/or Developmental Effects

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Value</th>
<th>Species</th>
<th>Test Result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL</td>
<td>Inhalation</td>
<td>Not classified for development</td>
<td>Rat</td>
<td>NOAEL 38 mg/l</td>
<td>during gestation</td>
</tr>
<tr>
<td>ETHYL ALCOHOL</td>
<td>Ingestion</td>
<td>Not classified for development</td>
<td>Rat</td>
<td>NOAEL 5,200 mg/kg/day</td>
<td>premating &amp; during gestation</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>Ingestion</td>
<td>Not classified for male reproduction</td>
<td>Rat</td>
<td>NOAEL 1,600 mg/kg/day</td>
<td>21 days</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>Ingestion</td>
<td>Toxic to development</td>
<td>Mouse</td>
<td>LOAEL 4,000 mg/kg/day</td>
<td>during organogenesis</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>Inhalation</td>
<td>Toxic to development</td>
<td>Mouse</td>
<td>NOAEL 1.3 mg/l</td>
<td>during organogenesis</td>
</tr>
</tbody>
</table>

Target Organ(s)

Specific Target Organ Toxicity - single exposure

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Target Organ(s)</th>
<th>Value</th>
<th>Species</th>
<th>Test Result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL</td>
<td>Inhalation</td>
<td>central nervous</td>
<td>May cause drowsiness or dizziness</td>
<td>Human</td>
<td>LOAEL 2.6 mg/l</td>
<td>30 minutes</td>
</tr>
<tr>
<td>ETHYL ALCOHOL</td>
<td>Inhalation</td>
<td>respiratory irritation</td>
<td>Some positive data exist, but the</td>
<td>Human</td>
<td>LOAEL 9.4 mg/l</td>
<td>not available</td>
</tr>
<tr>
<td>ETHYL ALCOHOL</td>
<td>Ingestion</td>
<td>central nervous</td>
<td>May cause drowsiness or dizziness</td>
<td>Multiple animal species</td>
<td>NOAEL not available</td>
<td></td>
</tr>
<tr>
<td>ETHYL ALCOHOL</td>
<td>Ingestion</td>
<td>kidney and/or bladder</td>
<td>Not classified</td>
<td>Dog</td>
<td>NOAEL 3,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>SODIUM HYDROXIDE</td>
<td>Inhalation</td>
<td>respiratory irritation</td>
<td>May cause respiratory irritation</td>
<td>Human</td>
<td>NOAEL Not available</td>
<td></td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>Inhalation</td>
<td>blindness</td>
<td>Causes damage to organs</td>
<td>Human</td>
<td>NOAEL Not available</td>
<td>occupational exposure</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>Inhalation</td>
<td>central nervous</td>
<td>May cause drowsiness or dizziness</td>
<td>Human</td>
<td>NOAEL Not available</td>
<td>not available</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>Inhalation</td>
<td>respiratory irritation</td>
<td>Some positive data exist, but the data</td>
<td>Rat</td>
<td>NOAEL Not available</td>
<td>6 hours</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>Ingestion</td>
<td>blindness</td>
<td>Causes damage to organs</td>
<td>Human</td>
<td>NOAEL Not available</td>
<td>poisoning and/or abuse</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>Ingestion</td>
<td>central nervous</td>
<td>May cause drowsiness or dizziness</td>
<td>Human</td>
<td>NOAEL Not available</td>
<td>poisoning and/or abuse</td>
</tr>
</tbody>
</table>

Specific Target Organ Toxicity - repeated exposure

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Target Organ(s)</th>
<th>Value</th>
<th>Species</th>
<th>Test Result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL</td>
<td>Inhalation</td>
<td>liver</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Rabbit</td>
<td>LOAEL 124 mg/l</td>
<td>365 days</td>
</tr>
<tr>
<td>ETHYL ALCOHOL</td>
<td>Inhalation</td>
<td>hematopoietic</td>
<td>Not classified</td>
<td>Rat</td>
<td>NOAEL 25 mg/l</td>
<td>14 days</td>
</tr>
<tr>
<td>ETHYL ALCOHOL</td>
<td>Ingestion</td>
<td>liver</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>LOAEL 8,000 mg/kg/day</td>
<td>4 months</td>
</tr>
<tr>
<td>ETHYL ALCOHOL</td>
<td>Ingestion</td>
<td>kidney and/or bladder</td>
<td>Not classified</td>
<td>Dog</td>
<td>NOAEL 3,000 mg/kg/day</td>
<td>7 days</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>Inhalation</td>
<td>liver</td>
<td>Not classified</td>
<td>Rat</td>
<td>NOAEL 6.55</td>
<td>4 weeks</td>
</tr>
<tr>
<td>Substance</td>
<td>Route</td>
<td>System</td>
<td>Classification</td>
<td>Species</td>
<td>NOAEL</td>
<td>Duration</td>
</tr>
<tr>
<td>-----------</td>
<td>-------</td>
<td>--------</td>
<td>----------------</td>
<td>---------</td>
<td>-------</td>
<td>----------</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>Inhalation</td>
<td>respiratory system</td>
<td>Not classified</td>
<td>Rat</td>
<td>NOAEL 13.1 mg/l</td>
<td>6 weeks</td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>Ingestion</td>
<td>liver/nervous system</td>
<td>Not classified</td>
<td>Rat</td>
<td>NOAEL 2,500 mg/kg/day</td>
<td>90 days</td>
</tr>
</tbody>
</table>

**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. 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
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.

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.

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

15.4. International Regulations
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.

HMIS Hazard Classification

Health: *3 Flammability:  1 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).

Document Group:  24-1364-9 Version Number:  8.01
Issue Date:  02/10/20 Supersedes Date:  05/22/18

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