



## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Acid Bowl Cleaner Ready-to-Use

#### Product Identification Numbers

| ID Number      | UPC              | ID Number      | UPC              |
|----------------|------------------|----------------|------------------|
| 70-0713-1486-1 | 00-48011-34762-7 | 70-0716-8330-7 | 00-48011-34762-7 |

7010315345

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

##### Recommended use

Removes hard water scale and rust from toilets and urinals., Hard Surface Cleaner

#### 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

#### 2.1. Hazard classification

Corrosive to metal: Category 1.  
Serious Eye Damage/Irritation: Category 1.  
Skin Corrosion/Irritation: Category 1.  
Reproductive Toxicity: Category 2.  
Specific Target Organ Toxicity (single exposure): Category 3.

#### 2.2. Label elements

**Signal word**

Danger

**Symbols**

Corrosion | Exclamation mark | Health Hazard |

**Pictograms****Hazard Statements**

May be corrosive to metals.

Causes severe skin burns and eye damage.

May cause respiratory irritation.

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.

Use only outdoors or in a well-ventilated area.

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

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 in a well-ventilated place. Keep container tightly closed.

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. May cause chemical respiratory tract burns.

**SECTION 3: Composition/information on ingredients**

| Ingredient                 | C.A.S. No.    | % by Wt                  |
|----------------------------|---------------|--------------------------|
| Water                      | 7732-18-5     | 85 - 100 Trade Secret *  |
| Hydrogen Chloride          | 7647-01-0     | 5 - 10 Trade Secret *    |
| C9-11 Alcohols Ethoxylated | 68439-46-3    | 0.5 - 1.5 Trade Secret * |
| Styrene Copolymer          | Trade Secret* | 0.25 - 0.75 Trade Secret |

|                                                                                                                           |            |                              |
|---------------------------------------------------------------------------------------------------------------------------|------------|------------------------------|
|                                                                                                                           |            | *                            |
| Methyl Salicylate                                                                                                         | 119-36-8   | 0.1 - 0.2 Trade Secret *     |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES                                                                            | 68424-85-1 | 0.05 - 0.075 Trade Secret *  |
| Benzenesulfonic acid, [[4-[bis[4-[(sulfophenyl)amino]phenyl]methylene]-2,5-cyclohexadien-1-ylidene]amino]-, disodium salt | 28983-56-4 | 0.001 - 0.002 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. Get immediate 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

Corrosive to respiratory tract (severe nose and throat pain, chest tightness and pain, wheezing, and breathlessness). 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).

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

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Material will not burn. 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.

### Hazardous Decomposition or By-Products

#### Substance

Chlorine

#### Condition

During Combustion

### 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. 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.

## 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. For large spills, if necessary, get assistance from professional spill clean up team. For small spills, carefully cover the spill with soda ash (sodium carbonate) or sodium bicarbonate. Work from around the perimeter inward. Avoid splashing. Add enough water to ease mixing and stir. Continue stirring and adding water and neutralizing agent until the reaction stops. Let cool before collecting. Or use a commercially available 'Acid spill' clean-up kit. Follow the kit directions exactly, as specified. 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

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. Keep away from reactive metals (eg. Aluminum, zinc etc.) to avoid the formation of hydrogen gas that could create an explosion hazard. Use personal protective equipment (gloves, respirators, etc.) as required.

## 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep only in original container. Store in a corrosive resistant container with a resistant inner liner. Store away from strong bases.

# 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            |
|-------------------|------------|--------|---------------------|--------------------------------|
| Hydrogen Chloride | 7647-01-0  | OSHA   | CEIL:7 mg/m3(5 ppm) |                                |
| Hydrogen Chloride | 7647-01-0  | ACGIH  | CEIL:2 ppm          | A4: Not class. as human carcin |

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

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

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

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: Butyl Rubber

Neoprene

Nitrile Rubber

Polyvinyl Chloride

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. 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 – Butyl rubber

Apron - Neoprene

Apron – Nitrile

Apron - polymer laminate

#### Respiratory protection

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 or acid gases

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

Milky Blue

##### Specific Physical Form:

Liquid

##### Odor

Pleasant Odor

|                                         |                         |
|-----------------------------------------|-------------------------|
| Odor threshold                          | No Data Available       |
| pH                                      | < 1.5                   |
| Melting point                           | Not Applicable          |
| Boiling Point                           | > 212 °F                |
| Flash Point                             | No flash point          |
| Evaporation rate                        | <=1 [Ref Std: WATER=1]  |
| Flammability (solid, gas)               | Not Applicable          |
| Flammable Limits(LEL)                   | Not Applicable          |
| Flammable Limits(UEL)                   | Not Applicable          |
| Vapor Pressure                          | No Data Available       |
| Vapor Density                           | >=1.0 [Ref Std: AIR=1]  |
| Density                                 | No Data Available       |
| Specific Gravity                        | 1.04 [Ref Std: WATER=1] |
| Solubility in Water                     | Complete                |
| Solubility- non-water                   | No Data Available       |
| Partition coefficient: n-octanol/ water | No Data Available       |
| Autoignition temperature                | Not Applicable          |
| Decomposition temperature               | No Data Available       |
| Viscosity                               | <=100 centipoise        |
| Volatile Organic Compounds              | < 1.5 % weight          |
| Percent volatile                        | Approximately < 95 %    |
| VOC Less H2O & Exempt Solvents          | 60 - 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

None known.

### 10.5. Incompatible materials

Strong bases

Reactive metals

### 10.6. Hazardous decomposition products

#### Substance

None known.

#### Condition

Refer to section 5.2 for hazardous decomposition products during combustion.

## 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:

No known health effects. Respiratory Tract Corrosion: Signs/symptoms may include nasal discharge, severe nose and throat pain, chest tightness and pain, coughing up blood, wheezing, and breathlessness, possibly progressing to respiratory failure.

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

#### 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:

May be 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.

#### Carcinogenicity:

| <b><u>Ingredient</u></b>                      | <b><u>CAS No.</u></b> | <b><u>Class Description</u></b> | <b><u>Regulation</u></b>                    |
|-----------------------------------------------|-----------------------|---------------------------------|---------------------------------------------|
| Isopropanol manufacture (strong-acid process) | 7647-01-0             | Grp. 1: Carcinogenic to humans  | International Agency for Research on Cancer |

### 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

| <b><u>Name</u></b>         | <b><u>Route</u></b>            | <b><u>Species</u></b> | <b><u>Value</u></b>                                     |
|----------------------------|--------------------------------|-----------------------|---------------------------------------------------------|
| Overall product            | Dermal                         |                       | No data available; calculated ATE >5,000 mg/kg          |
| Overall product            | Ingestion                      |                       | No data available; calculated ATE >2,000 - =5,000 mg/kg |
| Hydrogen Chloride          | Dermal                         | Rabbit                | LD50 > 5,010 mg/kg                                      |
| Hydrogen Chloride          | Inhalation-Dust/Mist (4 hours) | Rat                   | LC50 1 mg/l                                             |
| Hydrogen Chloride          | Ingestion                      | Rat                   | LD50 238 mg/kg                                          |
| C9-11 Alcohols Ethoxylated | Dermal                         | similar compounds     | LD50 > 2,000 mg/kg                                      |
| C9-11 Alcohols Ethoxylated | Inhalation-                    | similar               | LC50 > 1.6 mg/l                                         |

|                                                | Dust/Mist<br>(4 hours)         | compounds         |                  |
|------------------------------------------------|--------------------------------|-------------------|------------------|
| C9-11 Alcohols Ethoxylated                     | Ingestion                      | similar compounds | LD50 3,488 mg/kg |
| Methyl Salicylate                              | Inhalation-Vapor (4 hours)     | Rat               | LC50 > 1.2 mg/l  |
| Methyl Salicylate                              | Ingestion                      | Rat               | LD50 890 mg/kg   |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Dermal                         | Rabbit            | LD50 3,413 mg/kg |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Inhalation-Dust/Mist (4 hours) | Rat               | LC50 0.25 mg/l   |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Ingestion                      | Rat               | LD50 398 mg/kg   |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name                                           | Species           | Value              |
|------------------------------------------------|-------------------|--------------------|
| Hydrogen Chloride                              | In vitro data     | Corrosive          |
| C9-11 Alcohols Ethoxylated                     | similar compounds | Minimal irritation |
| Methyl Salicylate                              | Rabbit            | Minimal irritation |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Rabbit            | Corrosive          |

### Serious Eye Damage/Irritation

| Name                                           | Species                | Value             |
|------------------------------------------------|------------------------|-------------------|
| Hydrogen Chloride                              | Rabbit                 | Corrosive         |
| C9-11 Alcohols Ethoxylated                     | Professional judgement | Moderate irritant |
| Methyl Salicylate                              | In vitro data          | Corrosive         |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Rabbit                 | Corrosive         |

### Skin Sensitization

| Name                                           | Species          | Value          |
|------------------------------------------------|------------------|----------------|
| Hydrogen Chloride                              | Human and animal | Not classified |
| C9-11 Alcohols Ethoxylated                     | Guinea pig       | Not classified |
| Methyl Salicylate                              | Human and animal | Sensitizing    |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | 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

| Name                       | Route    | Value                                                                        |
|----------------------------|----------|------------------------------------------------------------------------------|
| Hydrogen Chloride          | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| C9-11 Alcohols Ethoxylated | In Vitro | Not mutagenic                                                                |



|                                                |          |               |
|------------------------------------------------|----------|---------------|
| Methyl Salicylate                              | In Vitro | Not mutagenic |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | In Vitro | Not mutagenic |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | In vivo  | Not mutagenic |

### Carcinogenicity

| Name                                           | Route         | Species                 | Value                                                                        |
|------------------------------------------------|---------------|-------------------------|------------------------------------------------------------------------------|
| Hydrogen Chloride                              | Not Specified | Human and animal        | Some positive data exist, but the data are not sufficient for classification |
| Methyl Salicylate                              | Ingestion     | Multiple animal species | Not carcinogenic                                                             |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Ingestion     | Rat                     | Not carcinogenic                                                             |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name                                           | Route     | Value                                  | Species           | Test Result          | Exposure Duration |
|------------------------------------------------|-----------|----------------------------------------|-------------------|----------------------|-------------------|
| C9-11 Alcohols Ethoxylated                     | Dermal    | Not classified for female reproduction | Rat               | NOAEL 250 mg/kg/day  | 2 generation      |
| C9-11 Alcohols Ethoxylated                     | Dermal    | Not classified for development         | Rat               | NOAEL 250 mg/kg/day  | 2 generation      |
| C9-11 Alcohols Ethoxylated                     | Dermal    | Not classified for male reproduction   | Rat               | NOAEL 100 mg/kg/day  | 2 generation      |
| Methyl Salicylate                              | Ingestion | Not classified for female reproduction | Rat               | NOAEL 250 mg/kg/day  | 3 generation      |
| Methyl Salicylate                              | Ingestion | Not classified for male reproduction   | Rat               | NOAEL 250 mg/kg/day  | 3 generation      |
| Methyl Salicylate                              | Ingestion | Toxic to development                   | similar compounds | NOAEL Not Available  |                   |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Ingestion | Not classified for female reproduction | Rat               | NOAEL 48 mg/kg/day   | 2 generation      |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Ingestion | Not classified for male reproduction   | Rat               | NOAEL 30.5 mg/kg/day | 2 generation      |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | Ingestion | Not classified for development         | Rat               | NOAEL 48 mg/kg/day   | 2 generation      |

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

| Name                                           | Route      | Target Organ(s)        | Value                                                                        | Species                | Test Result         | Exposure Duration |
|------------------------------------------------|------------|------------------------|------------------------------------------------------------------------------|------------------------|---------------------|-------------------|
| Hydrogen Chloride                              | Inhalation | respiratory irritation | May cause respiratory irritation                                             | similar health hazards | NOAEL Not available |                   |
| C9-11 Alcohols Ethoxylated                     | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                   |
| Methyl Salicylate                              | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not Available |                   |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | 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 |
|----------------------------|--------|-------------------------------|----------------|---------|---------------------|-------------------|
| C9-11 Alcohols Ethoxylated | Dermal | kidney and/or bladder   heart | Not classified | Rat     | NOAEL 125 mg/kg/day | 13 weeks          |

|                                                |            |                                                                                                                                                                                                                           |                                                                              |     |                       |         |
|------------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----|-----------------------|---------|
|                                                |            | hematopoietic system   liver   nervous system   respiratory system                                                                                                                                                        |                                                                              |     |                       |         |
| Methyl Salicylate                              | Inhalation | kidney and/or bladder                                                                                                                                                                                                     | Not classified                                                               | Rat | NOAEL 0.7 mg/l        | 28 days |
| Methyl Salicylate                              | Ingestion  | bone, teeth, nails, and/or hair                                                                                                                                                                                           | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 250 mg/kg/day   | 2 years |
| Methyl Salicylate                              | Ingestion  | gastrointestinal tract   respiratory system                                                                                                                                                                               | Not classified                                                               | Rat | NOAEL 1,000 mg/kg/day | 2 years |
| Methyl Salicylate                              | Ingestion  | liver                                                                                                                                                                                                                     | Not classified                                                               | Dog | NOAEL 350 mg/kg/day   | 2 years |
| Methyl Salicylate                              | Ingestion  | heart   hematopoietic system   kidney and/or bladder                                                                                                                                                                      | Not classified                                                               | Rat | NOAEL 1,000 mg/kg/day | 2 years |
| BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES | 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 |

**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**

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

**Chemical fate information**

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

## 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. 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)

**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**

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)

**Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):****Ingredient**

Hydrogen Chloride

**C.A.S. No**

7647-01-0

**% by Wt**

Trade Secret 5 - 10

**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 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: 0 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.

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