



## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Product identifier

Sharpshooter™ Extra Strength No Rinse Mark Remover (Bulk Volumes)

#### Product Identification Numbers

| ID Number      | UPC               | ID Number      | UPC               |
|----------------|-------------------|----------------|-------------------|
| 70-0712-8530-1 | 500-48011-13702-0 | 70-0716-8311-7 | 500-48011-13702-0 |
| 70-0716-8314-1 | 000-48011-19349-6 |                |                   |

7100066106, 7000011765, 7010385263

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

##### Recommended use

This no-rinse cleaner removes tough stains such as grease, lipstick, crayon, black heel marks, pencil marks and smoke film from most washable hard surfaces., Hard Surface Cleaner

#### 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

#### 2.1. Hazard classification

Serious Eye Damage/Irritation: Category 1.

Skin Corrosion/Irritation: Category 1B.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Corrosion |

**Pictograms****Hazard Statements**

Causes severe skin burns and eye damage.

**Precautionary Statements****General:**

Keep out of reach of children.

**Prevention:**

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

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.

**Storage:**

Keep cool.

Keep container tightly closed.

Store locked up in a well-ventilated place.

**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.

1% of the mixture consists of ingredients of unknown acute inhalation toxicity.

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

| Ingredient                                                                                     | C.A.S. No. | % by Wt                  |
|------------------------------------------------------------------------------------------------|------------|--------------------------|
| WATER                                                                                          | 7732-18-5  | 80 - 95 Trade Secret *   |
| 2-BUTOXYETHANOL                                                                                | 111-76-2   | 3 - 6 Trade Secret *     |
| ETHANOLAMINE                                                                                   | 141-43-5   | 1 - 5 Trade Secret *     |
| ALCOHOLS, C12-14-SECONDARY, ETHOXYLATED                                                        | 84133-50-6 | 0.5 - 1.5 Trade Secret * |
| ALCOHOLS, C6-12, ETHOXYLATED                                                                   | 68439-45-2 | 0.5 - 1.5 Trade Secret * |
| Potassium Hydroxide                                                                            | 1310-58-3  | < 1 Trade Secret *       |
| POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-HYDRO.-OMEGA.-HYDROXY-, MONO-c10-14-ALKYL ETHERS, PHOSPHATES | 68585-36-4 | < 0.5 Trade Secret *     |

|                                            |         |                      |
|--------------------------------------------|---------|----------------------|
| TETRASODIUM<br>ETHYLENEDIAMINETETRAACETATE | 64-02-8 | < 0.5 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

No critical symptoms or effects. 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

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.

### 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. For large spills, if necessary, get assistance from professional spill clean up team. For small spills, carefully neutralize spill by adding appropriate dilute acid such as vinegar. Work slowly to avoid boiling or spattering. Continue to add neutralizing agent until reaction stops. Let cool before collecting. Or use a commercially available caustic (alkaline or basic)

spill clean-up kit. Follow kit directions exactly. 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 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.

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

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight. 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.

| <b>Ingredient</b>   | <b>C.A.S. No.</b> | <b>Agency</b> | <b>Limit type</b>                  | <b>Additional Comments</b>   |
|---------------------|-------------------|---------------|------------------------------------|------------------------------|
| 2-BUTOXYETHANOL     | 111-76-2          | ACGIH         | TWA:20 ppm                         | A3: Confirmed animal carcin. |
| 2-BUTOXYETHANOL     | 111-76-2          | OSHA          | TWA:240 mg/m <sup>3</sup> (50 ppm) | SKIN                         |
| Potassium Hydroxide | 1310-58-3         | ACGIH         | CEIL:2 mg/m <sup>3</sup>           |                              |
| ETHANOLAMINE        | 141-43-5          | ACGIH         | TWA:3 ppm;STEL:6 ppm               |                              |
| ETHANOLAMINE        | 141-43-5          | OSHA          | TWA:6 mg/m <sup>3</sup> (3 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

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: 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 - 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

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

**Odor**

Mild Solvent

**Odor threshold***Not Applicable***pH**

12.7 - 13.4

**Melting point***Not Applicable***Boiling Point**

&gt; 212 °F

**Flash Point**

No flash point

**Evaporation rate**

Approximately 1 [Ref Std: WATER=1]

**Flammability (solid, gas)**

Not Applicable

**Flammable Limits(LEL)***Not Applicable***Flammable Limits(UEL)***Not Applicable***Vapor Pressure**

&lt; 27 psia [@ 131 °F]

**Vapor Density***Not Applicable***Density**

Approximately 1.002 g/ml

**Specific Gravity**

Approximately 1.001 - 1.011 [Ref Std: WATER=1]

**Solubility in Water**

Complete

**Solubility- non-water***Not Applicable***Partition coefficient: n-octanol/ water***Not Applicable***Autoignition temperature***Not Applicable***Decomposition temperature***Not Applicable***Viscosity**

&lt; 100 centipoise

**Volatile Organic Compounds**

6 - 8 % weight [Test Method: calculated per CARB title 2]

**Percent volatile**

80 - 100 % weight

**VOC Less H2O & Exempt Solvents**

850 - 870 g/l [Test Method: calculated per CARB title 2]

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

This material is considered to be non reactive under normal use conditions.

**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**

None known.

**10.6. Hazardous decomposition products**

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

**SECTION 11: Toxicological information**

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

**11.1. Information on Toxicological effects****Signs and Symptoms of Exposure**

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

**Inhalation:**

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

**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.

**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                         | Inhalation-Vapor(4 hr)         |                         | No data available; calculated ATE >50 mg/l     |
| Overall product                         | Ingestion                      |                         | No data available; calculated ATE >5,000 mg/kg |
| 2-BUTOXYETHANOL                         | Dermal                         | Guinea pig              | LD50 > 2,000 mg/kg                             |
| 2-BUTOXYETHANOL                         | Inhalation-Vapor (4 hours)     | Guinea pig              | LC50 > 2.6 mg/l                                |
| 2-BUTOXYETHANOL                         | Ingestion                      | Guinea pig              | LD50 1,200 mg/kg                               |
| ETHANOLAMINE                            | Inhalation-Vapor               | official classification | LC50 estimated to be 10 - 20 mg/l              |
| ETHANOLAMINE                            | Dermal                         | Rabbit                  | LD50 2,504 mg/kg                               |
| ETHANOLAMINE                            | Ingestion                      | Rat                     | LD50 1,089 mg/kg                               |
| ALCOHOLS, C6-12, ETHOXYLATED            | Dermal                         | Rabbit                  | LD50 1,500 mg/kg                               |
| ALCOHOLS, C12-14-SECONDARY, ETHOXYLATED | Dermal                         | Rat                     | LD50 > 14,000 mg/kg                            |
| ALCOHOLS, C12-14-SECONDARY, ETHOXYLATED | Inhalation-Dust/Mist (4 hours) | Rat                     | LC50 1.1 mg/l                                  |
| ALCOHOLS, C12-14-SECONDARY, ETHOXYLATED | Ingestion                      | Rat                     | LD50 > 412 mg/kg                               |
| ALCOHOLS, C6-12, ETHOXYLATED            | Ingestion                      | Rat                     | LD50 5,100 mg/kg                               |
| Potassium Hydroxide                     | Dermal                         | Rabbit                  | LD50 > 1,260 mg/kg                             |
| Potassium Hydroxide                     | Ingestion                      | Rat                     | LD50 273 mg/kg                                 |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation-Dust/Mist (4 hours) | Rat                     | LC50 > 1.5 mg/l                                |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion                      | Rat                     | LD50 1,658 mg/kg                               |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name                                    | Species                | Value                     |
|-----------------------------------------|------------------------|---------------------------|
| Overall product                         | In vitro data          | Corrosive                 |
| 2-BUTOXYETHANOL                         | Rabbit                 | Irritant                  |
| ETHANOLAMINE                            | Rabbit                 | Corrosive                 |
| ALCOHOLS, C12-14-SECONDARY, ETHOXYLATED | Professional judgement | Irritant                  |
| Potassium Hydroxide                     | Rabbit                 | Corrosive                 |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Rabbit                 | No significant irritation |

**Serious Eye Damage/Irritation**

| Name                                    | Species                | Value           |
|-----------------------------------------|------------------------|-----------------|
| 2-BUTOXYETHANOL                         | Rabbit                 | Severe irritant |
| ETHANOLAMINE                            | Rabbit                 | Corrosive       |
| ALCOHOLS, C12-14-SECONDARY, ETHOXYLATED | Professional judgement | Corrosive       |
| Potassium Hydroxide                     | Rabbit                 | Corrosive       |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Rabbit                 | Corrosive       |

**Skin Sensitization**

| Name            | Species    | Value          |
|-----------------|------------|----------------|
| 2-BUTOXYETHANOL | Guinea pig | Not classified |

|                                         |                  |                |
|-----------------------------------------|------------------|----------------|
| ETHANOLAMINE                            | Guinea pig       | Not classified |
| ALCOHOLS, C12-14-SECONDARY, ETHOXYLATED | Human            | Not classified |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | 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                                                                        |
|-----------------------------------------|----------|------------------------------------------------------------------------------|
| 2-BUTOXYETHANOL                         | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| ETHANOLAMINE                            | In Vitro | Not mutagenic                                                                |
| ETHANOLAMINE                            | In vivo  | Not mutagenic                                                                |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | In vivo  | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

| Name                                    | Route      | Species                 | Value                                                                        |
|-----------------------------------------|------------|-------------------------|------------------------------------------------------------------------------|
| 2-BUTOXYETHANOL                         | Inhalation | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion  | Multiple animal species | Not carcinogenic                                                             |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name                                    | Route      | Value                                  | Species                 | Test Result           | Exposure Duration    |
|-----------------------------------------|------------|----------------------------------------|-------------------------|-----------------------|----------------------|
| 2-BUTOXYETHANOL                         | Dermal     | Not classified for development         | Rat                     | NOAEL 1,760 mg/kg/day | during gestation     |
| 2-BUTOXYETHANOL                         | Ingestion  | Not classified for development         | Rat                     | NOAEL 100 mg/kg/day   | during organogenesis |
| 2-BUTOXYETHANOL                         | Inhalation | Not classified for development         | Multiple animal species | NOAEL 0.48 mg/l       | during organogenesis |
| ETHANOLAMINE                            | Dermal     | Not classified for development         | Rat                     | NOAEL 225 mg/kg/day   | during organogenesis |
| ETHANOLAMINE                            | Ingestion  | Not classified for development         | Rat                     | NOAEL 616 mg/kg/day   | during organogenesis |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion  | Not classified for female reproduction | Rat                     | NOAEL 250 mg/kg/day   | 4 generation         |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion  | Not classified for male reproduction   | Rat                     | NOAEL 250 mg/kg/day   | 4 generation         |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | 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 |
|-----------------|--------|------------------|----------------|---------|-------------|-------------------|
| 2-BUTOXYETHANOL | Dermal | endocrine system | Not classified | Rabbit  | NOAEL 902   | 6 hours           |



|                                          |            |                                   |                                                                              |                         | mg/kg               |                        |
|------------------------------------------|------------|-----------------------------------|------------------------------------------------------------------------------|-------------------------|---------------------|------------------------|
| 2-BUTOXYETHANOL                          | Dermal     | liver                             | Not classified                                                               | Rabbit                  | LOAEL 72 mg/kg      | not available          |
| 2-BUTOXYETHANOL                          | Dermal     | kidney and/or bladder             | Not classified                                                               | Rabbit                  | LOAEL 451 mg/kg     | 6 hours                |
| 2-BUTOXYETHANOL                          | Dermal     | blood                             | Not classified                                                               | Multiple animal species | NOAEL Not available |                        |
| 2-BUTOXYETHANOL                          | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | Human                   | NOAEL Not available |                        |
| 2-BUTOXYETHANOL                          | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                   | NOAEL Not available |                        |
| 2-BUTOXYETHANOL                          | Inhalation | blood                             | Not classified                                                               | Multiple animal species | NOAEL Not available |                        |
| 2-BUTOXYETHANOL                          | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | Professional judgment   | NOAEL Not available |                        |
| 2-BUTOXYETHANOL                          | Ingestion  | blood                             | Not classified                                                               | Multiple animal species | NOAEL Not available |                        |
| 2-BUTOXYETHANOL                          | Ingestion  | kidney and/or bladder             | Not classified                                                               | Human                   | NOAEL Not available | poisoning and/or abuse |
| ETHANOLAMINE                             | Inhalation | respiratory irritation            | May cause respiratory irritation                                             | Human and animal        | NOAEL Not available |                        |
| ALCOHOLS, C12-14-SECONDARY, ETHOXYLATED  | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | similar health hazards  | NOAEL Not available |                        |
| Potassium Hydroxide                      | Inhalation | respiratory irritation            | May cause respiratory irritation                                             | Human                   | NOAEL not available |                        |
| TETRASODIUM ETHYLENEDIAMINETE TRAACETATE | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | similar health hazards  | Irritation Positive |                        |

#### Specific Target Organ Toxicity - repeated exposure

| Name            | Route      | Target Organ(s)                                                           | Value                           | Species                 | Test Result         | Exposure Duration |
|-----------------|------------|---------------------------------------------------------------------------|---------------------------------|-------------------------|---------------------|-------------------|
| 2-BUTOXYETHANOL | Dermal     | blood                                                                     | Not classified                  | Multiple animal species | NOAEL Not available | not available     |
| 2-BUTOXYETHANOL | Dermal     | endocrine system                                                          | Not classified                  | Rabbit                  | NOAEL 150 mg/kg/day | 90 days           |
| 2-BUTOXYETHANOL | Inhalation | liver                                                                     | Not classified                  | Rat                     | NOAEL 2.4 mg/l      | 14 weeks          |
| 2-BUTOXYETHANOL | Inhalation | kidney and/or bladder                                                     | Not classified                  | Rat                     | NOAEL 0.15 mg/l     | 14 weeks          |
| 2-BUTOXYETHANOL | Inhalation | blood                                                                     | Not classified                  | Rat                     | LOAEL 0.15 mg/l     | 6 months          |
| 2-BUTOXYETHANOL | Inhalation | endocrine system                                                          | Not classified                  | Dog                     | LOAEL 1.9 mg/l      | 8 days            |
| 2-BUTOXYETHANOL | Ingestion  | blood                                                                     | Not classified                  | Rat                     | LOAEL 69 mg/kg/day  | 13 weeks          |
| 2-BUTOXYETHANOL | Ingestion  | kidney and/or bladder                                                     | Not classified                  | Multiple animal species | NOAEL Not available | not available     |
| ETHANOLAMINE    | Inhalation | liver   kidney and/or bladder   respiratory system                        | Not classified                  | Multiple animal species | NOAEL 0.656 mg/l    | 5 weeks           |
| ETHANOLAMINE    | Ingestion  | hematopoietic system   liver   kidney and/or bladder   respiratory system | Not classified                  | Rat                     | NOAEL Not available |                   |
| TETRASODIUM     | Inhalation | respiratory system                                                        | Causes damage to organs through | Rat                     | NOAEL 3             | 13 weeks          |

|                                               |            |                                                                                                                                                                                                                                                        |                                |     |                             |          |
|-----------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----|-----------------------------|----------|
| ETHYLENEDIAMINETE<br>TRACETATE                |            |                                                                                                                                                                                                                                                        | prolonged or repeated exposure |     | mg/m3                       |          |
| TETRASODIUM<br>ETHYLENEDIAMINETE<br>TRACETATE | Inhalation | liver   heart   skin  <br>endocrine system  <br>gastrointestinal tract<br>  bone, teeth, nails,<br>and/or hair  <br>hematopoietic<br>system   immune<br>system   muscles  <br>nervous system  <br>eyes   kidney and/or<br>bladder   vascular<br>system | Not classified                 | Rat | NOAEL 15<br>mg/m3           | 13 weeks |
| TETRASODIUM<br>ETHYLENEDIAMINETE<br>TRACETATE | Ingestion  | hematopoietic<br>system   liver                                                                                                                                                                                                                        | Not classified                 | Rat | NOAEL<br>2,500<br>mg/kg/day | 13 weeks |
| TETRASODIUM<br>ETHYLENEDIAMINETE<br>TRACETATE | Ingestion  | heart  <br>gastrointestinal tract<br>  muscles   kidney<br>and/or bladder  <br>respiratory system                                                                                                                                                      | Not classified                 | Rat | NOAEL<br>5,000<br>mg/kg/day | 13 weeks |

**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

Not applicable

#### Health Hazards

Hazard Not Otherwise Classified (HNOC)

Serious eye damage or eye irritation

Skin Corrosion or Irritation

## 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 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

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:** 0 **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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