# Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the Canadian Hazardous Products Regulations.

## SECTION 1: Identification

### 1.1. Product identifier
Sharpshooter™ Extra Strength No Rinse Mark Remover

**Product Identification Numbers**
70-0712-8531-9 70-0712-8533-5 XF-6001-4729-2

### 1.2. Recommended use and restrictions on use

**Intended Use**
Hard Surface Cleaner

**Specific Use**
Light duty graffiti remover for washable hard surfaces

**Restrictions on use**
Not applicable

### 1.3. Supplier's details

| | |
|---|---|
| **Company:** | 3M Canada Company |
| **Division:** | Commercial Branding and Transportation Division |
| **Address:** | 1840 Oxford Street East, Post Office Box 5757, London, Ontario N6A 4T1 |
| **Telephone:** | (800) 364-3577 |
| **Website:** | www.3M.ca |

### 1.4. Emergency telephone number
Medical Emergency Telephone:1-800-3M HELPS / 1800 364 3577

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture
Skin Corrosion/Irritation: Category 1B.
Serious Eye Damage/Irritation: Category 1.
Health Hazards Not Otherwise Classified - Category 1

### 2.2. Label elements
**Signal word**

Danger

**Symbols**
Corrosion |Exclamation mark |

**Pictograms**

**Hazard Statements**

Causes severe skin burns and eye damage. May cause chemical gastrointestinal burns.

**Precautionary statements**

**Prevention:**
Do not breathe vapours. Wash exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, eye protection, and face protection.

**Response:**
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Immediately call a POISON CENTRE or doctor. Wash contaminated clothing before reuse.

**Storage:**
Store locked up.

**Disposal:**
Dispose of contents and container in accordance with applicable local, regional, national, and international regulations.

**2.3. Other hazards**
None known.

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

## SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient | C.A.S. No. | % by Wt | Common Name |
|---|---|---|---|
| Water | 7732-18-5 | 80 - 100 | Water |
| 2-Butoxyethanol | 111-76-2 | 1 - 5 Trade Secret * | Ethanol, 2-butoxy- |
| ETHANOLAMINE | 141-43-5 | 0.5 - 1.5 Trade Secret * | Ethanol, 2-amino- |
| POLY(OXY-1,2-ETHANEDIYL), .ALPHA..-HYDRO-.OMEGA.-HYDROXY-,MONO-c10-14-ALKYL ETHERS, PHOSPHATES | 68585-36-4 | < 1 | No Data Available |
| Potassium Hydroxide | 1310-58-3 | < 1 | Potassium hydroxide (K(OH)) |

| | | | |
|---|---|---|---|
| ALCOHOLS, C12-14-SECONDARY, ETHOXYLATED | 84133-50-6 | 0.1 - 1 Trade Secret * | Alcohols, C12-15, ethoxylated |
| ALCOHOLS, C6-12 ETHOXYLATED | 68439-45-2 | 0.1 - 1 Trade Secret * | Alcohols, C6-12, ethoxylatedcohol ethoxylate and Reporting Number: 13-065-00. Consult SDA Substance Identification Procedure. |
| TETRASODIUM ETHYLENEDIAMINETETRA ACETATE | 64-02-8 | < 0.5 | Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt |

*The concentration (exact or range) of this component has been withheld as a trade secret.

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

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

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

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

**If Swallowed:**
Rinse mouth. Do not induce vomiting. Get immediate medical attention.

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

Skin burns (localized redness, swelling, itching, intense pain, blistering, and tissue destruction). Serious damage to the eyes (corneal cloudiness, severe pain, tearing, ulcerations, and significantly impaired or loss of vision).

**4.3. Indication of any immediate medical attention and special treatment required**
Not applicable.

## SECTION 5: Fire-fighting measures

**5.1. Suitable extinguishing media**
In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

**5.2. Unsuitable extinguishing media**
None Determined

**5.3. Special hazards arising from the substance or mixture**
None inherent in this product.

**5.4. Special protection actions for fire-fighters**
Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**
Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation

to disperse or exhaust vapours, 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 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**

For industrial or professional use only. Not for consumer sale or use. Do not breathe dust/fume/gas/mist/vapours/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 away from acids. Store away from areas where product may come into contact with food or pharmaceuticals. Store locked up.

## 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 |
|---|---|---|---|---|
| 2-Butoxyethanol | 111-76-2 | ACGIH | TWA:20 ppm | |
| Potassium Hydroxide | 1310-58-3 | ACGIH | CEIL:2 mg/m3 | |
| ETHANOLAMINE | 141-43-5 | ACGIH | TWA:3 ppm;STEL:6 ppm | |

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
CMRG : Chemical Manufacturer's Recommended Guidelines
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/vapours/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.

For prolonged or repeated contact, gloves made from the following material(s) are recommended (breakthrough times are >4 hours): Butyl Rubber, Natural Rubber, Neoprene, Nitrile Rubber, Polymer laminate, Polyvinyl Chloride

Any glove recommended for prolonged/repeated contact is also suitable for short-term/splash contact.

If this product is used in a manner that presents a higher potential for exposure (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

**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**

| | |
|---|---|
| **Physical state** | Liquid |
| **Colour** | Colourless |
| **Odour** | Mild Solvent |
| **Odour threshold** | *Not Applicable* |
| **pH** | 12.5 - 13.5 |
| **Melting point/Freezing point** | *Not Applicable* |
| **Boiling point** | > 100 ºC |
| **Flash Point** | *No Data Available* |
| **Evaporation rate** | Approximately 1 [*Ref Std:*WATER=1] |
| **Flammability** | Not Applicable |
| **Flammable Limits(LEL)** | *Not Applicable* |
| **Flammable Limits(UEL)** | *Not Applicable* |

| | |
|---|---|
| **Vapour Pressure** | < 27 psia [@ 131 ºF] |
| **Relative Vapour Density** | *Not Applicable* |
| **Density** | Approximately 1.002 g/ml |
| **Relative density** | Approximately 1.001 - 1.011 [*Ref Std:*WATER=1] |
| **Water solubility** | Complete |
| **Solubility- non-water** | *Not Applicable* |
| **Partition coefficient: n-octanol/ water** | *Not Applicable* |
| **Autoignition temperature** | *Not Applicable* |
| **Decomposition temperature** | *Not Applicable* |
| **Kinematic Viscosity** | <=99.8 mm2/sec |
| **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] |

| | |
|---|---|
| **Particle Characteristics** | *Not Applicable* |

## 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**

| Substance | Condition |
|---|---|
| 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 | Ingestion | Professional judgement | LD50 estimated to be 300 - 2,000 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 | Dermal | similar compounds | LD50 > 1,000 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 | Corrosive |

| | | |
|---|---|---|
| | data | |
| 2-Butoxyethanol | Rabbit | Irritant |
| ETHANOLAMINE | Rabbit | Corrosive |
| ALCOHOLS, C12-14-SECONDARY, ETHOXYLATED | Professional judgement | Irritant |
| ALCOHOLS, C6-12 ETHOXYLATED | Professional judgement | Irritant |
| Potassium Hydroxide | Rabbit | Corrosive |
| POLY(OXY-1,2-ETHANEDIYL), .ALPHA..-HYDRO-.OMEGA.-HYDROXY-,MONO-c10-14-ALKYL ETHERS, PHOSPHATES | Professional judgement | Irritant |
| 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 |
| ALCOHOLS, C6-12 ETHOXYLATED | Rabbit | Corrosive |
| Potassium Hydroxide | Rabbit | Corrosive |
| POLY(OXY-1,2-ETHANEDIYL), .ALPHA..-HYDRO-.OMEGA.-HYDROXY-,MONO-c10-14-ALKYL ETHERS, PHOSPHATES | Professional judgement | 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 |
| Potassium Hydroxide | Guinea pig | 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 |
| Potassium Hydroxide | In Vitro | 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 450 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 mg/kg | 6 hours |
| 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 | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| 2-Butoxyethanol | Inhalation | central nervous system depression | Not classified | Professional judgement | NOAEL Not available | |
| 2-Butoxyethanol | Inhalation | blood | Not classified | Multiple animal species | NOAEL Not available | |
| 2-Butoxyethanol | Ingestion | central nervous system depression | Not classified | Professional judgement | NOAEL Not available | |
| 2-Butoxyethanol | Ingestion | blood | Not classified | Multiple animal | NOAEL Not available | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | species | | |
| 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 | |
| ALCOHOLS, C6-12 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 | |
| POLY(OXY-1,2-ETHANEDIYL), .ALPHA. .-HYDRO-.OMEGA.-HYDROXY-,MONO-c10-14-ALKYL ETHERS, PHOSPHATES | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | 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 |
|---|---|---|---|---|---|---|
| 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 | hematopoietic system | Not classified | Rat | NOAEL 0.1559 mg/l | 28 days |
| ETHANOLAMINE | Inhalation | liver | Not classified | Rat | NOAEL 0.1559 mg/l | 28 days |
| ETHANOLAMINE | Inhalation | respiratory system | Not classified | Rat | LOAEL 0.0102 mg/l | 28 days |
| ETHANOLAMINE | Inhalation | heart | Not classified | Rat | NOAEL 0.1559 mg/l | 28 days |
| ETHANOLAMINE | Inhalation | endocrine system | Not classified | Rat | NOAEL 0.1559 mg/l | 28 days |
| ETHANOLAMINE | Inhalation | immune system | Not classified | Rat | NOAEL 0.1559 mg/l | 28 days |
| ETHANOLAMINE | Inhalation | nervous system | Not classified | Rat | NOAEL 0.1559 mg/l | 28 days |
| ETHANOLAMINE | Inhalation | eyes | Not classified | Rat | NOAEL 0.1559 mg/l | 28 days |
| ETHANOLAMINE | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL 0.1559 mg/l | 28 days |
| ETHANOLAMINE | Ingestion | hematopoietic system | Not classified | Rat | NOAEL Not available | |
| ETHANOLAMINE | Ingestion | liver | Not classified | Rat | NOAEL Not available | |

| | | | | | | |
|---|---|---|---|---|---|---|
| ETHANOLAMINE | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL Not available | |
| ETHANOLAMINE | Ingestion | respiratory system | Not classified | Rat | NOAEL Not available | |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat | NOAEL 0.003 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | liver | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | heart | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | skin | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | endocrine system | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | gastrointestinal tract | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | bone, teeth, nails, and/or hair | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | hematopoietic system | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | immune system | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | muscles | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | nervous system | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | eyes | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Inhalation | vascular system | Not classified | Rat | NOAEL 0.015 mg/l | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | liver | Not classified | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | heart | Not classified | Rat | NOAEL 5,000 mg/kg/day | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | gastrointestinal tract | Not classified | Rat | NOAEL 5,000 mg/kg/day | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | muscles | Not classified | Rat | NOAEL 5,000 mg/kg/day | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 5,000 mg/kg/day | 13 weeks |
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | Ingestion | respiratory system | Not classified | Rat | NOAEL 5,000 mg/kg/day | 13 weeks |

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

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

## SECTION 12: Ecological information

No data available.

## SECTION 13: Disposal considerations

**13.1. Disposal methods**

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

Dispose of waste product in a permitted industrial waste facility. 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.

## 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. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Global inventory status**

Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. 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. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. 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.

## SECTION 16: Other information

**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.**
**Health:** 3 **Flammability:** 1 **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.

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**3M Canada SDSs are available at www.3M.ca**