Safety Data Sheet

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Document group:	19-7627-3	**Version number:**	13.00
Issue Date:	2026/07/30	**Supersedes Date:**	2025/12/16

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.

Document group:	19-7627-3	**Version number:**	13.00
Issue Date:	2026/07/30	**Supersedes Date:**	2025/12/16

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