



Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the New Zealand, Hazardous Substances (Safety Data Sheets) Notice 2017.

SECTION 1: Identification

1.1. Product identifier

3M(tm) Clean & Shine Daily Floor Enhancer Concentrate (BULK and DOSER)

Product Identification Numbers

75-0400-7524-6 75-0400-7525-3

1.2. Recommended use and restrictions on use

Recommended use

Hard floor maintenance.

For Industrial or Professional use only

1.3. Supplier's details

Address: 3M New Zealand Ltd, 94 Apollo Drive, Rosedale 0632, Auckland
Telephone: (09) 477 4040
E Mail: innovation@nz.mmm.com
Website: 3m.co.nz

1.4. Emergency telephone number

24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

SECTION 2: Hazard identification

Classified as hazardous in accordance with the relevant criteria of the HSNO Act 1996 and the Hazardous Substances (Hazard Classification) Notice 2020.

Refer to Section 14 of this Safety Data Sheet for product Dangerous Goods Classification.

2.1. Classification of the substance or mixture

Eye irritation: Category 2

2.2. Label elements

SIGNAL WORD

Warning

Symbols:

Exclamation mark |

Pictograms



HAZARD STATEMENTS:

H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENTS

Prevention

P264 Wash thoroughly after handling.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 IF eye irritation persists: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	% by Weight
Water	7732-18-5	75 - 100
Acrylic Co-Polymer	Trade Secret	< 10
Ethoxylated C9-11 Alcohols	68439-46-3	< 3.5
Branched Alkyl Alcohol Alkoxylate	Trade Secret	0.5 - 1.5
Lithium Polysilicate	12627-14-4	< 1.2
Silanetriol Metal Salt	Trade Secret	< 1
Ethoxydiglycol	111-90-0	< 1
Ethoxylated Alkyl Alcohol	Trade Secret	< 0.5
Siloxane-based Defoamer	Trade Secret	< 0.05

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

Wash with soap and water. If signs/symptoms develop, get medical attention.

Eye contact

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

A product risk assessment is recommended to determine if eye wash facilities may be required when using this product in the workplace.

If swallowed

Rinse mouth. If you feel unwell, get 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

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

5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

Hazardous Decomposition or By-Products

Substance

Formaldehyde
Carbon monoxide.
Carbon dioxide.

Condition

During combustion.
During combustion.
During combustion.

5.3. Special protective actions for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. 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.

5.4. Hazchem code: Not applicable.

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 dykes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

Refer to Section 15 - Controls for more information

7.1. Precautions for safe handling

Avoid eye contact. For industrial/occupational use only. Not for consumer sale or use. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities

Store away from heat. Keep from freezing. Store away from acids. Store away from strong bases. Store away from oxidising agents.

7.3. Certified handler

Not required

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	CAS Nbr	Agency	Limit type	Additional comments
Ethoxydiglycol	111-90-0	AIHA	TWA:140 mg/m3(25 ppm)	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

New Zealand WES : New Zealand Workplace Exposure Standards.

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

ppm: parts per million

mg/m³: milligrams per cubic metre

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:

Safety glasses with side shields.

Indirect vented goggles.

Refer AS/NZS 1336 - Recommended practices for occupational eye protection and for performance specifications AS/NZS 1337, Parts 1 - 6 - Personal eye-protection.

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

When only incidental contact is anticipated, alternative glove material(s) may be used. If contact with the glove does occur, remove immediately and replace with a set of new gloves. For incidental contact, gloves made of the following material(s) may be used:Nitrile rubber.

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 and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

Refer AS/NZS 1715 - Selection, use and maintenance of respiratory protective equipment and AS/NZS 1716 - Respiratory protective devices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Colourless-White
Odour	Mild Odour
Odour threshold	<i>No data available.</i>
pH	10.6 - 11.3 [Details:RTU pH 9.0-9.8]
Melting point/Freezing point	<i>Not applicable.</i>
Boiling point/Initial boiling point/Boiling range	≥ 93.3 °C
Flash point	≥ 93.3 °C [Test Method:Closed Cup]
Evaporation rate	<i>No data available.</i>
Flammability (solid, gas)	Not applicable.
Flammable Limits(LEL)	<i>No data available.</i>
Flammable Limits(UEL)	<i>No data available.</i>
Vapour pressure	$\leq 2,333.1$ Pa [@ 20 °C]
Vapor Density and/or Relative Vapor Density	≥ 1
Density	≥ 0.98 g/ml
Relative density	≥ 0.98 [Ref Std: WATER=1]
Water solubility	Soluble
Solubility- non-water	<i>No data available.</i>
Partition coefficient: n-octanol/water	<i>No data available.</i>
Autoignition temperature	204 °C
Decomposition temperature	<i>No data available.</i>
Viscosity/Kinematic Viscosity	<i>No data available.</i>
Volatile organic compounds (VOC)	≤ 0.1 [Test Method:calculated per CARB]
Percent volatile	<i>No data available.</i>
VOC less H ₂ O & exempt solvents	<i>No data available.</i>
Molecular weight	<i>Not applicable.</i>

SECTION 10: Stability and reactivity

10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Heat.
Sparks and/or flames.

10.5 Incompatible materials

Strong acids.
Strong bases.
Strong oxidising agents.

10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
None known.	

Refer to Section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

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

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

Eye contact

Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

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	Ingestion		No data available; calculated ATE >5,000 mg/kg
Ethoxylated C9-11 Alcohols	Dermal	similar compounds	LD50 > 2,000 mg/kg

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Ethoxylated C9-11 Alcohols	Inhalation-Dust/Mist (4 hours)	similar compounds	LC50 > 1.6 mg/l
Ethoxylated C9-11 Alcohols	Ingestion	similar compounds	LD50 3,488 mg/kg
Branched Alkyl Alcohol Alkoxyate	Dermal	similar compounds	LD50 > 2,000 mg/kg
Branched Alkyl Alcohol Alkoxyate	Ingestion	similar compounds	LD50 > 2,000 mg/kg
Lithium Polysilicate	Dermal		LD50 estimated to be 2,000 - 5,000 mg/kg
Lithium Polysilicate	Ingestion	Rat	LD50 > 2,000 mg/kg
Ethoxydiglycol	Dermal	Rabbit	LD50 9,143 mg/kg
Ethoxydiglycol	Ingestion	Rat	LD50 5,400 mg/kg
Silanetriol Metal Salt	Ingestion	Rat	LD50 > 2,000 mg/kg
Ethoxylated Alkyl Alcohol	Dermal	Rabbit	LD50 > 2,000 mg/kg
Ethoxylated Alkyl Alcohol	Ingestion	Rat	LD50 > 700 mg/kg
Siloxane-based Defoamer	Dermal	Rabbit	LD50 > 19,400 mg/kg
Siloxane-based Defoamer	Ingestion	Rat	LD50 > 17,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Ethoxylated C9-11 Alcohols	similar compounds	Minimal irritation
Branched Alkyl Alcohol Alkoxyate	Professional judgement	Minimal irritation
Lithium Polysilicate	Rabbit	Minimal irritation
Ethoxydiglycol	Rabbit	No significant irritation
Silanetriol Metal Salt	Professional judgement	Corrosive
Ethoxylated Alkyl Alcohol	similar health hazards	Irritant
Siloxane-based Defoamer	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Ethoxylated C9-11 Alcohols	Professional judgement	Moderate irritant
Branched Alkyl Alcohol Alkoxyate	Professional judgement	Severe irritant
Lithium Polysilicate	Rabbit	Corrosive
Ethoxydiglycol	Rabbit	Moderate irritant
Silanetriol Metal Salt	similar health hazards	Corrosive
Ethoxylated Alkyl Alcohol	Professional judgement	Corrosive
Siloxane-based Defoamer	Rabbit	No significant irritation

Sensitisation:

Skin Sensitisation

Name	Species	Value
Ethoxylated C9-11 Alcohols	Guinea pig	Not classified
Branched Alkyl Alcohol Alkoxyate	similar compounds	Not classified
Ethoxydiglycol	Human	Not classified

Respiratory Sensitisation

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

Germ Cell Mutagenicity

Name	Route	Value
Ethoxylated C9-11 Alcohols	In Vitro	Not mutagenic
Branched Alkyl Alcohol Alkoxyate	In Vitro	Not mutagenic
Ethoxydiglycol	In Vitro	Not mutagenic
Ethoxydiglycol	In vivo	Not mutagenic

Carcinogenicity

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

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Ethoxylated C9-11 Alcohols	Dermal	Not classified for female reproduction	Rat	NOAEL 250 mg/kg/day	2 generation
Ethoxylated C9-11 Alcohols	Dermal	Not classified for development	Rat	NOAEL 250 mg/kg/day	2 generation
Ethoxylated C9-11 Alcohols	Dermal	Not classified for male reproduction	Rat	NOAEL 100 mg/kg/day	2 generation
Ethoxydiglycol	Dermal	Not classified for development	Rat	NOAEL 5,500 mg/kg/day	during organogenesis
Ethoxydiglycol	Ingestion	Not classified for development	Mouse	NOAEL 5,500 mg/kg/day	during organogenesis
Ethoxydiglycol	Inhalation	Not classified for development	Rat	NOAEL 0.6 mg/l	during organogenesis
Ethoxydiglycol	Ingestion	Not classified for male reproduction	Rat	NOAEL 2,200 mg/kg/day	2 generation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Ethoxylated C9-11 Alcohols	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Branched Alkyl Alcohol Alkoxyate	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	

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Lithium Polysilicate	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar compounds	NOAEL Not available	
Ethoxydiglycol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Ethoxylated Alkyl Alcohol	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Ethoxylated C9-11 Alcohols	Dermal	kidney and/or bladder heart hematopoietic system liver nervous system respiratory system	Not classified	Rat	NOAEL 125 mg/kg/day	13 weeks
Lithium Polysilicate	Ingestion	nervous system kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	similar compounds	NOAEL Not available	
Ethoxydiglycol	Dermal	kidney and/or bladder	Not classified	Rabbit	NOAEL 1,000 mg/kg/day	12 weeks
Ethoxydiglycol	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Pig	NOAEL 167 mg/kg/day	90 days
Ethoxydiglycol	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 2,700 mg/kg/day	90 days
Ethoxydiglycol	Ingestion	endocrine system	Not classified	Rat	NOAEL 2,500 mg/kg/day	90 days
Ethoxydiglycol	Ingestion	heart hematopoietic system nervous system	Not classified	Mouse	NOAEL 8,100 mg/kg/day	90 days

Aspiration Hazard

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

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

SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity**Ecotoxic to the aquatic environment.**

Acute Aquatic Toxicity: Category 3

No product test data available.

Material	CAS Number	Organism	Type	Exposure	Test endpoint	Test result
Acrylic Co-Polymer	Trade Secret	N/A	Data not available or	N/A	N/A	N/A

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			insufficient for classification			
Ethoxylated C9-11 Alcohols	68439-46-3	Rainbow trout	Analogous Compound	96 hours	LC50	5 mg/l
Ethoxylated C9-11 Alcohols	68439-46-3	Green algae	Experimental	72 hours	EbC50	1.4 mg/l
Ethoxylated C9-11 Alcohols	68439-46-3	Water flea	Experimental	48 hours	EC50	2.5 mg/l
Ethoxylated C9-11 Alcohols	68439-46-3	Green algae	Analogous Compound	72 hours	ErC10	1.05 mg/l
Ethoxylated C9-11 Alcohols	68439-46-3	Water flea	Analogous Compound	21 days	NOEC	0.107 mg/l
Ethoxylated C9-11 Alcohols	68439-46-3	Activated sludge	Analogous Compound	3 hours	EC50	140 mg/l
Ethoxylated C9-11 Alcohols	68439-46-3	Wheat	Analogous Compound	19 days	EC50	>100 mg/kg (Dry Weight)
Branched Alkyl Alcohol Alkoxylate	Trade Secret	Green algae	Experimental	72 hours	EC50	31.9 mg/l
Branched Alkyl Alcohol Alkoxylate	Trade Secret	Water flea	Experimental	48 hours	EC50	33.6 mg/l
Branched Alkyl Alcohol Alkoxylate	Trade Secret	Green algae	Experimental	72 hours	NOEC	6.25 mg/l
Lithium Polysilicate	12627-14-4	Green algae	Estimated	72 hours	EC50	>345.4 mg/l
Lithium Polysilicate	12627-14-4	Water flea	Experimental	48 hours	EC50	>220 mg/l
Ethoxydiglycol	111-90-0	Green algae	Estimated	96 hours	EC50	>100 mg/l
Ethoxydiglycol	111-90-0	Bacteria	Experimental	16 hours	EC10	4,000 mg/l
Ethoxydiglycol	111-90-0	Channel Catfish	Experimental	96 hours	LC50	6,010 mg/l
Ethoxydiglycol	111-90-0	Water flea	Experimental	48 hours	LC50	1,982 mg/l
Ethoxydiglycol	111-90-0	Green algae	Estimated	96 hours	NOEC	100 mg/l
Silanetriol Metal Salt	Trade Secret	Green algae	Estimated	72 hours	EC50	>120 mg/l
Silanetriol Metal Salt	Trade Secret	Water flea	Estimated	48 hours	EC50	>500 mg/l
Silanetriol Metal Salt	Trade Secret	Zebra Fish	Estimated	96 hours	LC50	>500 mg/l
Silanetriol Metal Salt	Trade Secret	Activated sludge	Experimental	3 hours	EC10	>100 mg/l
Silanetriol Metal Salt	Trade Secret	Green algae	Estimated	72 hours	NOEC	>=120 mg/l
Silanetriol Metal Salt	Trade Secret	Water flea	Estimated	21 days	NOEC	>=100 mg/l
Ethoxylated Alkyl Alcohol	Trade Secret	Green algae	Analogous Compound	72 hours	ErC50	0.43 mg/l
Ethoxylated Alkyl Alcohol	Trade Secret	Green algae	Analogous Compound	72 hours	NOEC	0.09 mg/l
Siloxane-based Defoamer	Trade Secret	N/A	Data not available or insufficient for	N/A	N/A	N/A

			classification			
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12.2. Persistence and degradability

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Acrylic Co-Polymer	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Ethoxylated C9-11 Alcohols	68439-46-3	Analogous Compound Biodegradation	28 days	BOD	72 %CO2 evolution/THC O2 evolution	ISO 14593 Inorg C Headspace
Branched Alkyl Alcohol Alkoxyate	Trade Secret	Experimental Biodegradation	28 days	BOD	>60 %BOD/Th OD	OECD 301F - Manometric respirometry
Lithium Polysilicate	12627-14-4	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Ethoxydiglycol	111-90-0	Experimental Biodegradation	16 days	CO2 evolution	100 %CO2 evolution/THC O2 evolution	OECD 301B - Modified sturm or CO2
Silanetriol Metal Salt	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Ethoxylated Alkyl Alcohol	Trade Secret	Modeled Biodegradation	28 days	CO2 evolution	95 %CO2 evolution/THC O2 evolution	Catalogic™
Siloxane-based Defoamer	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A

12.3 : Bioaccumulative potential

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Acrylic Co-Polymer	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Ethoxylated C9-11 Alcohols	68439-46-3	Modeled Bioconcentration		Bioaccumulation factor	31	Catalogic™
Ethoxylated C9-11 Alcohols	68439-46-3	Analogous Compound Bioconcentration		Log Kow	2.72	OECD 123 log Kow slow stir
Branched Alkyl Alcohol Alkoxyate	Trade Secret	Estimated Bioconcentration		Bioaccumulation factor	3.5	
Lithium Polysilicate	12627-14-4	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Ethoxydiglycol	111-90-0	Experimental Bioconcentration		Log Kow	-0.54	

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Silanetriol Metal Salt	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Ethoxylated Alkyl Alcohol	Trade Secret	Modeled Bioconcentration		Bioaccumulation factor	50	Catalogic™
Siloxane-based Defoamer	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Disposal methods**

In accordance with the Hazardous Substances (Disposal) Notice 2017 and the relevant criteria of the HSNO Act 1996.

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.

Packaging (that may or may not contain any residual substance) may be lawfully disposed of by householders or other consumers through public or commercial waste collection services.

SECTION 14: Transport Information**New Zealand Land Transport Rule: Dangerous Goods - Road/Rail Transport**

UN No.: Not applicable.

Proper Shipping Name: Not applicable.

Class/Division: Not applicable.

Sub Risk: Not applicable.

Packing Group: Not applicable.

Hazchem Code: Not applicable.

IERG: Not applicable.

International Air Transport Association (IATA) - Air Transport

UN No.: Not applicable.

Proper Shipping Name: Not applicable.

Class/Division: Not applicable.

Sub Risk: Not applicable.

Packing Group: Not applicable.

International Maritime Dangerous Goods Code (IMDG) - Marine Transport

UN No.: Not applicable.

Proper Shipping Name: Not applicable.

Class/Division: Not applicable.

Sub Risk: Not applicable.
Packing Group: Not applicable.
Marine Pollutant: Not applicable.

SECTION 15: Regulatory information

HSNO Approval number HSR002530
 Group standard name Cleaning Products (Subsidiary Hazard) Group Standard 2020
 HSNO Hazard classification Refer to Section 2: Hazard identification

NZ Inventory of Chemicals (NZIoC) Status

All ingredients are listed on the New Zealand Inventory of Chemicals.

Controls in accordance with The Health and Safety at Work Act 2015, Health and Safety at Work (Hazardous Substances) Regulations 2017 and the HSNO Act 1996, Hazardous Substances (Hazardous Property Controls) Notice 2017

Certified handler	Not required
Location Compliance Certificate	Not required
Hazardous atmosphere zone	Not required
Fire extinguishers	Not required
Emergency response plan	100 L or 100 kg (for Hazardous to the aquatic environment Category 1 substances); or 1 000 L or 1 000 kg (for Acute toxicity Category 4, Skin sensitisation Category 1, Respiratory sensitisation Category 1, Hazardous to the aquatic environment Category 2 or Hazardous to the aquatic environment Category 3 substances); or 10 000 L or 10 000 kg (for Germ cell mutagenicity Category 1, Reproductive toxicity Category 1, Specific target organ toxicity Category 1, Serious eye damage Category 1, Hazardous to the aquatic environment Category 4 substances)
Secondary containment	100 L or 100 kg (for Hazardous to the aquatic environment Category 1 substances); or 1 000 L or 1 000 kg (for Acute toxicity Category 4, Skin sensitisation Category 1, Respiratory sensitisation Category 1, Hazardous to the aquatic environment Category 2 or Hazardous to the aquatic environment Category 3 substances); or 10 000 L or 10 000 kg (for Germ cell mutagenicity Category 1, Reproductive toxicity Category 1, Specific target organ toxicity Category 1, Serious eye damage Category 1, Hazardous to the aquatic environment Category 4 substances)
Tracking	Not required
Warning signage	100 L or 100 kg (for Hazardous to the aquatic environment Category 1 substances); or 1 000 L or 1 000 kg (for Serious eye damage Category 1, Hazardous to the aquatic environment Category 2 or Hazardous to the aquatic environment Category 3 substances); or 10 000 L or 10 000 kg (for Acute toxicity Category 4 or Hazardous to the aquatic environment Category 4 substances)

SECTION 16: Other information

Revision information:

Complete document review.

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Key to abbreviations and acronyms

GHS refers to the Globally Harmonised System of Classification and Labelling of Chemicals, 7th revised edition of 2017

HSNO means Hazardous Substances and New Organisms Act 1996

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