



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

Scotchgard(TM) Resilient Floor Protector

Product Identification Numbers

70-0716-5924-0

1.2. Recommended use and restrictions on use

Recommended use

Water based formula protects resilient flooring surfaces such as vinyl, vinyl composition (VCT), and solid vinyl tile (SVT)., 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

Not 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

Not classified as hazardous.

2.2. Label elements

SIGNAL WORD

Not applicable.

Symbols:

Not applicable.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	% by Weight
Water	7732-18-5	60 - 80
Emulsion Polymer Blend	Trade Secret	5 - 15
Nanoscale Proprietary Stabilizer	Trade Secret	5 - 15
Ethoxydiglycol	111-90-0	3 - 7
Polyurethane Polymer	Trade Secret	1 - 5
Poly(Methy Methacrylate)	9011-14-7	1 - 3.5
Benzyl Benzoate	120-51-4	< 2.5
Adipic Dihydrazide	1071-93-8	< 1

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

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

Eye contact

If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.

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.

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. 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 an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. 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

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. 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/m ³ (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

None required.

Skin/hand protection

No chemical protective gloves are required.

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	Milky White
Odour	Slight Paint
Odour threshold	<i>No data available.</i>
pH	8.2
Melting point/Freezing point	<i>No data available.</i>
Boiling point/Initial boiling point/Boiling range	>= 100 °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	<=2,333.1 Pa [@ 20 °C]
Vapor Density and/or Relative Vapor Density	<i>No data available.</i>
Density	1 - 1.2 g/ml
Relative density	1 - 1.2 [Details: Water]
Water solubility	<i>No data available.</i>
Solubility- non-water	<i>No data available.</i>
Partition coefficient: n-octanol/water	<i>No data available.</i>
Autoignition temperature	<i>No data available.</i>
Decomposition temperature	<i>No data available.</i>
Viscosity/Kinematic Viscosity	4 mPa-s
Volatile organic compounds (VOC)	0 - 0.1 %
Percent volatile	<i>No data available.</i>
VOC less H2O & exempt solvents	0 - 4 g/l
Molecular weight	<i>No data available.</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.

10.5 Incompatible materials

Strong acids.

Strong bases.

Strong oxidising agents.

Alkali and alkaline earth metals.

10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
Carbon monoxide.	Not specified.
Carbon dioxide.	Not specified.
Ammonia	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 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

Contact with the skin during product use is not expected to result in significant irritation.

Eye contact

Contact with the eyes during product use is not expected to result in significant irritation.

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
Ethoxydiglycol	Dermal	Rabbit	LD50 9,143 mg/kg
Ethoxydiglycol	Ingestion	Rat	LD50 5,400 mg/kg
Poly(Methy Methacrylate)	Dermal		LD50 estimated to be > 5,000 mg/kg
Poly(Methy Methacrylate)	Ingestion	Rat	LD50 > 5,000 mg/kg
Benzyl Benzoate	Dermal	Professional judgement	LD50 estimated to be 2,000 - 5,000 mg/kg
Benzyl Benzoate	Ingestion	Rat	LD50 > 2,000 mg/kg
Adipic Dihydrazide	Ingestion	Mouse	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Ethoxydiglycol	Rabbit	No significant irritation
Poly(Methy Methacrylate)	Rabbit	No significant irritation
Benzyl Benzoate	Rabbit	Minimal irritation
Adipic Dihydrazide	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Ethoxydiglycol	Rabbit	Moderate irritant
Poly(Methy Methacrylate)	Rabbit	Mild irritant
Benzyl Benzoate	Rabbit	No significant irritation

Sensitisation:

Skin Sensitisation

Name	Species	Value
Ethoxydiglycol	Human	Not classified
Benzyl Benzoate	Human and animal	Not classified
Adipic Dihydrazide	Guinea pig	Sensitising

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
Ethoxydiglycol	In Vitro	Not mutagenic
Ethoxydiglycol	In vivo	Not mutagenic
Benzyl Benzoate	In Vitro	Not mutagenic
Adipic Dihydrazide	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
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
Benzyl Benzoate	Ingestion	Not classified for development	Rat	NOAEL 194 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
Ethoxydiglycol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
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
Benzyl Benzoate	Dermal	skin endocrine system nervous system heart hematopoietic system liver immune system kidney and/or bladder respiratory system	Not classified	Rat	NOAEL 1,250 mg/kg/day	4 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

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

No product test data available.

Material	CAS Number	Organism	Type	Exposure	Test endpoint	Test result
Emulsion Polymer Blend	Trade Secret	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Nanoscale Proprietary Stabilizer	Trade Secret	N/A	Data not available or insufficient for classification	N/A	N/A	N/A % weight
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
Poly(Methy Methacrylate)	9011-14-7	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Benzyl Benzoate	120-51-4	Green algae	Experimental	72 hours	ErC50	0.475 mg/l
Benzyl Benzoate	120-51-4	Water flea	Experimental	48 hours	EC50	3.09 mg/l
Benzyl Benzoate	120-51-4	Zebra Fish	Experimental	96 hours	LC50	2.32 mg/l
Benzyl Benzoate	120-51-4	Green algae	Experimental	72 hours	NOEC	0.247 mg/l
Benzyl Benzoate	120-51-4	Water flea	Experimental	21 days	NOEC	0.258 mg/l
Benzyl Benzoate	120-51-4	Zebra Fish	Experimental	96 hours	NOEC	0.023 mg/l
Benzyl Benzoate	120-51-4	Activated sludge	Experimental	3 hours	EC50	>10,000 mg/l
Adipic Dihydrazide	1071-93-8	Activated sludge	Experimental	3 hours	EC50	>1,000 mg/l
Adipic Dihydrazide	1071-93-8	Common Carp	Experimental	96 hours	LC50	>100 mg/l
Adipic Dihydrazide	1071-93-8	Green algae	Experimental	72 hours	ErC50	8.7 mg/l
Adipic Dihydrazide	1071-93-8	Water flea	Experimental	48 hours	EC50	>=106 mg/l

Adipic Dihydrazide	1071-93-8	Green algae	Experimental	72 hours	NOEC	0.22 mg/l
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12.2. Persistence and degradability

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Emulsion Polymer Blend	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Nanoscale Proprietary Stabilizer	Trade Secret	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
Poly(Methy Methacrylate)	9011-14-7	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Benzyl Benzoate	120-51-4	Experimental Biodegradation	28 days	BOD	94 %BOD/ThO D	EC C.4.D. Manometric Respirom
Adipic Dihydrazide	1071-93-8	Experimental Biodegradation	28 days	Dissolv. Organic Carbon Deplet	62.1 % removal of DOC	OECD 301E - Modif. OECD Screen
Adipic Dihydrazide	1071-93-8	Experimental Hydrolysis		Hydrolytic half-life (pH 7)	>1 years (t 1/2)	OECD 111 Hydrolysis func of pH

12.3 : Bioaccumulative potential

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Emulsion Polymer Blend	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Nanoscale Proprietary Stabilizer	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Ethoxydiglycol	111-90-0	Experimental Bioconcentrati on		Log Kow	-0.54	
Poly(Methy Methacrylate)	9011-14-7	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Benzyl Benzoate	120-51-4	Modeled Bioconcentrati on		Bioaccumulatio n factor	25	Catalogic™
Benzyl Benzoate	120-51-4	Experimental Bioconcentrati on		Log Kow	3.97	
Adipic Dihydrazide	1071-93-8	Experimental Bioconcentrati on		Log Kow	-2.7	OECD 107 log Kow shke flsk mtd

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. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. 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 Not applicable

Group standard name Not applicable

HSNO Hazard classification Refer to Section 2: Hazard identification

NZ Inventory of Chemicals (NZIoC) Status

All applicable chemical ingredients in this material are in compliance with NZIoC listing requirements.

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	Not required
Secondary containment	Not required
Tracking	Not required
Warning signage	Not required

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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