



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

Scotchgard(TM) Stone Floor Protector Plus

Product Identification Numbers

LK-T100-1848-7	70-0012-0839-9	70-0716-6057-8	75-0400-3166-0	HB-0045-3182-6
HB-0045-8480-9	JN-3301-4284-3	UU-0089-9374-1	UU-0095-8933-2	

1.2. Recommended use and restrictions on use

Intended Use

Hard Floor Maintenance

Specific Use

High Performance floor coating for Stone Floors

Restrictions on use

Not applicable

1.3. Supplier's details

Company:	3M Canada Company
Division:	Commercial Solutions 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 / 1-800-364-3577; Transportation Emergency Telephone (CANUTEC): (613) 996-6666

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Not classified according to the Canadian Hazardous Products Regulation.

2.2. Label elements

Signal word

Not applicable.

Symbols

Not applicable.

Pictograms

Not applicable.

2.3. Other hazards

None known.

10% of the mixture consists of ingredients of unknown acute oral 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
Modified Silica	Trade Secret	2 - 6	Not Applicable
Proprietary Emulsion Blend 2	Trade Secret	< 5	Not Applicable
Proprietary Polymer Emulsion 1	Trade Secret	< 5	Not Applicable
Ethoxydiglycol	111-90-0	1 - 2	Ethanol, 2-(2-ethoxyethoxy)-
Proprietary Emulsion Blend 1	Trade Secret	< 2	Not Applicable
Proprietary Polymer Emulsion 2	Trade Secret	< 2	Not Applicable
POLY(METHYL METHACRYLATE)	9011-14-7	0.5 - 1.5	2-Propenoic acid, 2-methyl-, methyl ester, homopolymer
BENZYL BENZOATE	120-51-4	< 1	Benzoic acid, phenylmethyl ester
Siloxane Carboxylate Potassium Salt	Trade Secret	< 1	Not Applicable
ADIPIC DIHYDRAZIDE	1071-93-8	< 0.5	Hexanedioic acid, dihydrazide
MODIFIED POLYDIMETHYLSILOXANE	Trade Secret	< 0.5	Not Applicable
Polyethylene Wax	Trade Secret	< 0.5	Not Applicable
Proprietary Stabilizer 1	Trade Secret	< 0.5	Not Applicable
Proprietary Stabilizer 2	Trade Secret	< 0.5	Not Applicable
Silicon-based Additive	Trade Secret	< 0.5	Not Applicable
2-Methyl-4-isothiazoline-3-one	2682-20-4	< 0.01	3(2H)-Isothiazolone, 2-methyl-
Dimethicone	63148-62-9	< 0.01	Siloxanes and Silicones, di-Me
Methylchloroisothiazolinone	26172-55-4	< 0.01	3(2H)-Isothiazolone, 5-chloro-2-methyl-

Modified Silica is a non-hazardous Trade Secret material according to WHMIS criteria.

Proprietary Polymer Emulsion 2 is a non-hazardous Trade Secret material according to WHMIS criteria.

Proprietary Stabilizer 1 is a non-hazardous Trade Secret material according to WHMIS criteria.

Silicon-based Additive is a non-hazardous Trade Secret material according to WHMIS criteria.

Proprietary Stabilizer 2 is a non-hazardous Trade Secret material according to WHMIS criteria.

MODIFIED POLYDIMETHYLSILOXANE is a non-hazardous Trade Secret material according to WHMIS criteria.

Proprietary Polymer Emulsion 1 is a non-hazardous Trade Secret material according to WHMIS criteria.

Proprietary Emulsion Blend 2 is a non-hazardous Trade Secret material according to WHMIS criteria.

Proprietary Emulsion Blend 1 is a non-hazardous Trade Secret material according to WHMIS criteria.

Siloxane Carboxylate Potassium Salt is a non-hazardous Trade Secret material according to WHMIS criteria.

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

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

Carbon monoxide
Carbon dioxide

Condition

During Combustion
During Combustion

5.3. Special protective actions for fire-fighters

Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA). 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. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

Contain spill. 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**7.1. Precautions for safe handling**

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.

7.2. Conditions for safe storage including any incompatibilities

Store away from heat.

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
Ethoxydiglycol	111-90-0	AIHA	TWA:140 mg/m ³ (25 ppm)	
Proprietary Polymer Emulsion 2	Trade Secret	ACGIH	TWA:25 ppm;STEL:35 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**

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 vapours and particulates

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	Milky White

Odour	Acrylic
Odour threshold	<i>No Data Available</i>
pH	10 - 11
Melting point/Freezing point	<i>Not Applicable</i>
Boiling point	Approximately 95 °C
Flash Point	93.9 °C [@ 2,666.44 Pa] [<i>Test Method: Closed Cup</i>]
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	< 2,399.8 Pa [@ 20 °C]
Vapour Density and/or Relative Vapour Density	<i>No Data Available</i>
Density	Approximately 1 g/ml
Relative density	Approximately 1 [<i>Ref Std: WATER=1</i>]
Water solubility	Complete [<i>Details: Dispersible</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	<i>No Data Available</i>
Volatile Organic Compounds	< 0.5 % weight
Percent volatile	<i>No Data Available</i>
VOC Less H2O & Exempt Solvents	< 20 g/l
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 polymerization will not occur.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Substance

None known.

Condition

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 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:

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 diarrhea.

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	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(METHYL METHACRYLATE)	Dermal		LD50 estimated to be > 5,000 mg/kg
POLY(METHYL METHACRYLATE)	Ingestion	Rat	LD50 > 5,000 mg/kg
BENZYL BENZOATE	Dermal	Professional judgment	LD50 estimated to be 2,000 - 5,000 mg/kg
BENZYL BENZOATE	Ingestion	Rat	LD50 > 2,000 mg/kg
Siloxane Carboxylate Potassium Salt	Dermal	similar compounds	LD50 > 2,000 mg/kg
Siloxane Carboxylate Potassium Salt	Inhalation-Dust/Mist (4 hours)	similar compounds	LC50 2.3 mg/l
Siloxane Carboxylate Potassium Salt	Ingestion	similar compounds	LD50 > 5,000 mg/kg
Proprietary Stabilizer 1	Dermal		LD50 estimated to be 2,000 - 5,000 mg/kg
Proprietary Stabilizer 1	Ingestion	Rat	LD50 > 2,000 mg/kg
Proprietary Stabilizer 2	Ingestion	Rat	LD50 > 2,000 mg/kg
ADIPIC DIHYDRAZIDE	Ingestion	Mouse	LD50 > 5,000 mg/kg
Proprietary Polymer Emulsion 2	Ingestion	Rat	LD50 350 mg/kg
Dimethicone	Dermal	Rabbit	LD50 > 19,400 mg/kg
Dimethicone	Ingestion	Rat	LD50 > 17,000 mg/kg
Methylchloroisothiazolinone	Dermal	Rabbit	LD50 87 mg/kg
Methylchloroisothiazolinone	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.171 mg/l
Methylchloroisothiazolinone	Ingestion	Rat	LD50 40 mg/kg
2-Methyl-4-isothiazoline-3-one	Dermal	Rabbit	LD50 87 mg/kg
2-Methyl-4-isothiazoline-3-one	Inhalation-	Rat	LC50 0.171 mg/l

	Dust/Mist (4 hours)		
2-Methyl-4-isothiazoline-3-one	Ingestion	Rat	LD50 40 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Ethoxydiglycol	Rabbit	No significant irritation
POLY(METHYL METHACRYLATE)	Rabbit	No significant irritation
BENZYL BENZOATE	Rabbit	Minimal irritation
Proprietary Stabilizer 1	Rabbit	Minimal irritation
Proprietary Stabilizer 2	Professional judgement	Corrosive
ADIPIC DIHYDRAZIDE	Rabbit	No significant irritation
Proprietary Polymer Emulsion 2	Rabbit	Corrosive
Dimethicone	Rabbit	No significant irritation
Methylchloroisothiazolinone	Rabbit	Corrosive
2-Methyl-4-isothiazoline-3-one	Rabbit	Corrosive

Serious Eye Damage/Irritation

Name	Species	Value
Ethoxydiglycol	Rabbit	Moderate irritant
POLY(METHYL METHACRYLATE)	Rabbit	Mild irritant
BENZYL BENZOATE	Rabbit	No significant irritation
Proprietary Stabilizer 1	Rabbit	Corrosive
Proprietary Stabilizer 2	similar health hazards	Corrosive
Proprietary Polymer Emulsion 2	Rabbit	Corrosive
Dimethicone	Rabbit	No significant irritation
Methylchloroisothiazolinone	Rabbit	Corrosive
2-Methyl-4-isothiazoline-3-one	Rabbit	Corrosive

Skin Sensitization

Name	Species	Value
Ethoxydiglycol	Human	Not classified
BENZYL BENZOATE	Human and animal	Not classified
ADIPIC DIHYDRAZIDE	Guinea pig	Sensitizing
Methylchloroisothiazolinone	Human and animal	Sensitizing
2-Methyl-4-isothiazoline-3-one	Human and animal	Sensitizing

Photosensitization

Name	Species	Value
Methylchloroisothiazolinone	Human and animal	Not sensitizing
2-Methyl-4-isothiazoline-3-one	Human and animal	Not sensitizing

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
Ethoxydiglycol	In Vitro	Not mutagenic
Ethoxydiglycol	In vivo	Not mutagenic
BENZYL BENZOATE	In Vitro	Not mutagenic
ADIPIC DIHYDRAZIDE	In vivo	Not mutagenic
Methylchloroisothiazolinone	In vivo	Not mutagenic
Methylchloroisothiazolinone	In Vitro	Some positive data exist, but the data are not sufficient for classification
2-Methyl-4-isothiazoline-3-one	In vivo	Not mutagenic
2-Methyl-4-isothiazoline-3-one	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Methylchloroisothiazolinone	Dermal	Mouse	Not carcinogenic
Methylchloroisothiazolinone	Ingestion	Rat	Not carcinogenic
2-Methyl-4-isothiazoline-3-one	Dermal	Mouse	Not carcinogenic
2-Methyl-4-isothiazoline-3-one	Ingestion	Rat	Not carcinogenic

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
Methylchloroisothiazolinone	Ingestion	Not classified for female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Methylchloroisothiazolinone	Ingestion	Not classified for male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Methylchloroisothiazolinone	Ingestion	Not classified for development	Rat	NOAEL 15 mg/kg/day	during organogenesis
2-Methyl-4-isothiazoline-3-one	Ingestion	Not classified for female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
2-Methyl-4-isothiazoline-3-one	Ingestion	Not classified for male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
2-Methyl-4-isothiazoline-3-one	Ingestion	Not classified for development	Rat	NOAEL 15 mg/kg/day	during organogenesis

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	

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Proprietary Stabilizer 1	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar compounds	NOAEL Not available	
Proprietary Polymer Emulsion 2	Inhalation	respiratory irritation	May cause respiratory irritation	Human	NOAEL not available	
Methylchloroisothiazolinone	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	
2-Methyl-4-isothiazoline-3-one	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
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
Proprietary Stabilizer 1	Ingestion	nervous system kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	similar compounds	NOAEL Not available	

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. As a disposal alternative, incinerate in a permitted waste incineration 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 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: 1 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