Safety Data Sheet

Document Group:	35-2051-7	**Version Number:**	15.00
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SECTION 1: Identification

1.1. Product identifier
Scotchgard(TM) Stone Floor Protector Plus

Product Identification Numbers

ID Number	UPC	ID Number	UPC
75-0400-3166-0			
7100156060			

1.2. Recommended use and restrictions on use

Recommended use
High Performance floor coating for Stone Floors, Hard Floor Maintenance

1.3. Supplier's details

MANUFACTURER:	3M
DIVISION:	Commercial Branding and Transportation Division
ADDRESS:	3M Center, St. Paul, MN 55144-1000, USA
Telephone:	1-888-3M HELPS (1-888-364-3577)

1.4. Emergency telephone number
1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

2.1. Hazard classification
Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

2.2. Label elements
Signal word
Not applicable.

Symbols
Not applicable.

Pictograms
Not applicable.

10% of the mixture consists of ingredients of unknown acute oral toxicity.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
Water	7732-18-5	80 - 90 Trade Secret *
Modified Silica	Trade Secret*	1 - 7 Trade Secret *
Proprietary Emulsion Blend 2	Trade Secret*	1 - 5 Trade Secret *
Ethoxydiglycol	111-90-0	< 2 Trade Secret *
POLY(METHYL METHACRYLATE)	9011-14-7	< 2 Trade Secret *
Proprietary Emulsion Blend 1	None	< 2 Trade Secret *
Benzyl Benzoate	120-51-4	< 1 Trade Secret *
Proprietary Polymer Emulsion 1	Trade Secret*	< 1 Trade Secret *
Siloxane Carboxylate Potassium Salt	Trade Secret*	< 1 Trade Secret *
Proprietary Stabilizer 1	Trade Secret*	< 0.5 Trade Secret *
Proprietary Stabilizer 2	Trade Secret*	< 0.3 Trade Secret *
Silicon-based Additive	Trade Secret*	< 0.3 Trade Secret *
MODIFIED POLYDIMETHYLSILOXANE	Trade Secret*	< 0.2 Trade Secret *
ADIPIC DIHYDRAZIDE	1071-93-8	< 0.1 Trade Secret *
POLYETHYLENE WAX	Trade Secret*	< 0.1 Trade Secret *
Proprietary Polymer Emulsion 2	Trade Secret*	< 0.005 Trade Secret *
Dimethicone	63148-62-9	< 0.0015 Trade Secret *
Methylchloroisothiazolinone	26172-55-4	< 0.0015 Trade Secret *
Methylisothiazolinone	2682-20-4	< 0.0015 Trade Secret *

*The specific chemical identity and/or exact percentage (concentration) of this composition 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:
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	Condition
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion

5.3. Special protective 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 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 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/vapors/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/m3(25 ppm)	
Proprietary Polymer Emulsion 2	Trade Secret	ACGIH	TWA:25 ppm;STEL:35 ppm	
Proprietary Polymer Emulsion 2	Trade Secret	OSHA	TWA:35 mg/m3(50 ppm)	

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
CMRG : Chemical Manufacturer's Recommended Guidelines
OSHA : United States Department of Labor - Occupational Safety and Health Administration
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/vapors/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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Liquid
Color	Milky White
Odor	Moderate Acrylic
Odor threshold	*No Data Available*
pH	10 - 11
Melting point	*Not Applicable*
Boiling Point	Approximately 95 ºC
Flash Point	201 ºF [@ 20 mmHg] [*Test Method:*Closed Cup]
Evaporation rate	*No Data Available*
Flammability (solid, gas)	Not Applicable
Flammable Limits(LEL)	*No Data Available*
Flammable Limits(UEL)	*No Data Available*
Vapor Pressure	< 18 mmHg [@ 20 ºC]
Vapor Density	*No Data Available*
Density	Approximately 1 g/ml
Specific Gravity	Approximately 1 [*Ref Std:*WATER=1]
Solubility in Water	Complete [*Details:*Dispersible]
Solubility- non-water	*No Data Available*
Partition coefficient: n-octanol/ water	*No Data Available*
Autoignition temperature	*No Data Available*
Decomposition temperature	*No Data Available*

Viscosity	*No Data Available*
Molecular weight	*Not Applicable*
Volatile Organic Compounds	< 0.5 % weight
Percent volatile	*No Data Available*
VOC Less H2O & Exempt Solvents	< 20 g/l

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	Condition
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 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 judgement	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
Methylisothiazolinone	Dermal	Rabbit	LD50 87 mg/kg
Methylisothiazolinone	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.171 mg/l
Methylisothiazolinone	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
Methylisothiazolinone	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
Methylisothiazolinone	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
Methylisothiazolinone	Human and animal	Sensitizing

Photosensitization

Name	Species	Value
Methylchloroisothiazolinone	Human and animal	Not sensitizing
Methylisothiazolinone	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
Methylisothiazolinone	In vivo	Not mutagenic
Methylisothiazolinone	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
Methylisothiazolinone	Dermal	Mouse	Not carcinogenic
Methylisothiazolinone	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
Methylisothiazolinone	Ingestion	Not classified for female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Methylisothiazolinone	Ingestion	Not classified for male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Methylisothiazolinone	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	
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	
Methylisothiazolinone	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	Mouse	NOAEL 2,700	90 days

			classification		mg/kg/day	
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 compoun ds	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

Ecotoxicological information

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

Chemical fate information

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

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. US Federal Regulations
Contact 3M for more information.

EPCRA 311/312 Hazard Classifications:

Physical Hazards
Not applicable

Health Hazards
Not applicable

Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):

Ingredient	C.A.S. No	% by Wt
Ethoxydiglycol (CAS NO SEQ548L1)	111-90-0	Trade Secret < 2
Ethoxydiglycol (GLYCOL ETHERS)	111-90-0	Trade Secret < 2

15.2. State Regulations

Contact 3M for more information.

15.3. Chemical Inventories

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.

Contact 3M for more information.

15.4. International Regulations

Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: Other information

NFPA Hazard Classification

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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