

Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier

Scotchgard™ Protect & Shine Floor Protector

Product Identification Numbers

75-0400-7400-9, 75-0400-7401-7 7100227789, 7100227791

1.2. Recommended use and restrictions on use

Recommended use

Coating

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.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
Water	7732-18-5	65 - 80
Polymer Emulsion	Trade Secret*	4 - 22
Nanoscale Stabilizer	Trade Secret*	1 - 10
Ethoxydiglycol	111-90-0	1 - 5 Trade Secret *
Benzoate Esters	Trade Secret*	< 1
Glycol Ether containing Carboxylic Metal Salt	Trade Secret*	< 1
Dipropylene Glycol Methyl Ether	34590-94-8	< 0.5
Alkoxy Glycol Ether	Trade Secret*	< 0.5
Alkyl Silyl containing Carboxylic Metal Salt	Trade Secret*	< 0.5
Glycol Ether modified Polydimethylsiloxane	Trade Secret*	< 0.5
Siloxane-based Defoamer	Trade Secret*	< 0.01
Methylchloroisothiazolinone	26172-55-4	< 0.001
Methylisothiazolinone	2682-20-4	< 0.0005

^{*}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

Use a fire fighting agent suitable for the surrounding fire.

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

No special protective actions for fire-fighters are anticipated.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. Observe precautions from other sections. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

6.2. Environmental precautions

Avoid release to the environment.

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

For industrial/occupational use only. Not for consumer sale or use. 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)	
Dipropylene Glycol Methyl Ether	34590-94-8	ACGIH	TWA:50 ppm	
Dipropylene Glycol Methyl Ether	34590-94-8	OSHA	TWA:600 mg/m3(100 ppm)	SKIN

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

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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

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 stateLiquidColorMilky White

OdorModerate AcrylicOdor thresholdNo Data Available

7.5 - 8.5рH **Melting point** Not Applicable **Boiling Point** $> 212 \, {}^{\circ}F$ No flash point **Flash Point Evaporation rate** No Data Available Flammability (solid, gas) Not Applicable Flammable Limits(LEL) Not Applicable Not Applicable Flammable Limits(UEL)

Vapor Pressure <=17.5 mmHg [@ 68 °F]
Vapor Density No Data Available

DensityApproximately g/ml [Ref Std:WATER=1] **Specific Gravity**Approximately 1 [Ref Std:WATER=1]

Solubility in Water Complete

Solubility- non-waterNo Data AvailablePartition coefficient: n-octanol/ waterNo Data AvailableAutoignition temperatureNo Data AvailableDecomposition temperatureNo Data AvailableViscosity<=10 centipoise</th>Molecular weightNot Applicable

Volatile Organic Compounds < 0.5 % weight [Test Method:calculated per CARB title 2]

Percent volatile No Data Available

VOC Less H2O & Exempt Solvents 140 - 160 g/l [Test Method:calculated per CARB title 2]

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

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Glycol Ether containing Carboxylic Metal Salt	Dermal	similar compoun ds	LD50 > 2,000 mg/kg
Glycol Ether containing Carboxylic Metal Salt	Inhalation- Dust/Mist (4 hours)	similar compoun ds	LC50 2.3 mg/l
Glycol Ether containing Carboxylic Metal Salt	Ingestion	similar compoun ds	LD50 > 5,000 mg/kg
Alkyl Silyl containing Carboxylic Metal Salt	Dermal	similar compoun ds	LD50 > 2,000 mg/kg
Alkyl Silyl containing Carboxylic Metal Salt	Inhalation- Dust/Mist (4 hours)	similar compoun ds	LC50 2.3 mg/l
Alkyl Silyl containing Carboxylic Metal Salt	Ingestion	similar compoun ds	LD50 > 5,000 mg/kg
Dipropylene Glycol Methyl Ether	Dermal	Rabbit	LD50 > 19,000 mg/kg
Dipropylene Glycol Methyl Ether	Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 50 mg/l
Dipropylene Glycol Methyl Ether	Ingestion	Rat	LD50 5,180 mg/kg
Glycol Ether modified Polydimethylsiloxane	Dermal	Rabbit	LD50 > 2,000 mg/kg
Glycol Ether modified Polydimethylsiloxane	Ingestion	Rat	LD50 > 5,000 mg/kg
Siloxane-based Defoamer	Dermal	Multiple animal species	LD50 > 2,000 mg/kg
Siloxane-based Defoamer	Ingestion	Rat	LD50 > 5,000 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
Dipropylene Glycol Methyl Ether	Human and animal	No significant irritation
Glycol Ether modified Polydimethylsiloxane	Rabbit	No significant irritation
Siloxane-based Defoamer	Human and animal	No significant irritation
Methylchloroisothiazolinone	Rabbit	Corrosive
Methylisothiazolinone	Rabbit	Corrosive

Serious Eye Damage/Irritation

Name	Species	Value
Ethoxydiglycol	Rabbit	Moderate irritant
Dipropylene Glycol Methyl Ether	Rabbit	Mild irritant
Glycol Ether modified Polydimethylsiloxane	Rabbit	No significant irritation
Siloxane-based Defoamer	Rabbit	No significant irritation
Methylchloroisothiazolinone	Rabbit	Corrosive
Methylisothiazolinone	Rabbit	Corrosive

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Skin Sensitization

Name	Species	Value
Ethoxydiglycol	Human	Not classified
Dipropylene Glycol Methyl Ether	Human	Not classified
Glycol Ether modified Polydimethylsiloxane	Human	Not classified
	and	
	animal	
Siloxane-based Defoamer	Human	Not classified
	and	
	animal	
Methylchloroisothiazolinone	Human	Sensitizing
	and	
	animal	
Methylisothiazolinone	Human	Sensitizing
	and	
	animal	

Photosensitization

Name	Species	Value
Methylchloroisothiazolinone	Human	Not sensitizing
	and	
	animal	
Methylisothiazolinone	Human	Not sensitizing
	and	
	animal	

Respiratory Sensitization

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

Name	Route	Value
Name	Koute	Value
Ethoxydiglycol	In Vitro	Not mutagenic
Ethoxydiglycol	In vivo	Not mutagenic
Dipropylene Glycol Methyl Ether	In Vitro	Not mutagenic
Glycol Ether modified Polydimethylsiloxane	In Vitro	Not mutagenic
Siloxane-based Defoamer	In Vitro	Not mutagenic
Siloxane-based Defoamer	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

curemogeniere			
Name	Route	Species	Value
Siloxane-based Defoamer	Dermal	Mouse	Not carcinogenic
Siloxane-based Defoamer	Ingestion	Mouse	Not carcinogenic
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

Reproductive and/or Devel	deproductive and/or Developmental Effects						
Name	Route	Value	Species	Test Result	Exposure Duration		
Ethoxydiglycol	Dermal	Not classified for development	Rat	NOAEL 5,500	during		

				mg/kg/day	organogenesi s
Ethoxydiglycol	Ingestion	Not classified for development	Mouse	NOAEL 5,500 mg/kg/day	during organogenesi s
Ethoxydiglycol	Inhalation	Not classified for development	Rat	NOAEL 0.6 mg/l	during organogenesi s
Ethoxydiglycol	Ingestion	Not classified for male reproduction	Rat	NOAEL 2,200 mg/kg/day	2 generation
Dipropylene Glycol Methyl Ether	Inhalation	Not classified for development	Multiple animal species	NOAEL 1.82 mg/l	during organogenesi s
Siloxane-based Defoamer	Ingestion	Not classified for development	Rat	NOAEL 3,800 mg/kg/day	during organogenesi s
Siloxane-based Defoamer	Dermal	Not classified for development	Rabbit	NOAEL 1,000 mg/kg/day	during organogenesi s
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 organogenesi s
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 organogenesi s

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	
Dipropylene Glycol Methyl Ether	Dermal	central nervous system depression	Not classified	Rabbit	NOAEL 2,850 mg/kg	
Dipropylene Glycol Methyl Ether	Inhalation	central nervous system depression	Not classified	Rat	LOAEL 3.07 mg/l	7 hours
Dipropylene Glycol Methyl Ether	Ingestion	central nervous system depression	Not classified	Rat	LOAEL 5,000 mg/kg	
Methylchloroisothiazolinon e	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

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			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
Dipropylene Glycol Methyl Ether	Dermal	kidney and/or bladder heart endocrine system hematopoietic system liver respiratory system	Not classified	Rabbit	NOAEL 9,500 mg/kg/day	90 days
Dipropylene Glycol Methyl Ether	Inhalation	heart hematopoietic system liver immune system nervous system eyes kidney and/or bladder	Not classified	Rat	NOAEL 1.21 mg/l	90 days
Dipropylene Glycol Methyl Ether	Ingestion	liver heart endocrine system bone, teeth, nails, and/or hair hematopoietic system immune system nervous system kidney and/or bladder respiratory system	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Siloxane-based Defoamer	Ingestion	eyes	Not classified	Rat	NOAEL 10% in the diet	90 days
Siloxane-based Defoamer	Ingestion	respiratory system	Not classified	Rat	NOAEL 1% in the diet	90 days
Siloxane-based Defoamer	Ingestion	gastrointestinal tract	Not classified	Multiple animal species	NOAEL 10% in the diet	90 days
Siloxane-based Defoamer	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 10% in the diet	90 days
Siloxane-based Defoamer	Ingestion	heart liver kidney and/or bladder vascular system	Not classified	Rat	NOAEL 1% in the diet	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

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.

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Empty and clean product containers may be disposed as non-hazardous waste. Consult your specific regulations and service providers to determine available options and requirements.

EPA Hazardous Waste Number (RCRA): Not regulated

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:

Phy	vsica	H:	ลzลเ	rds

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

Ethoxydiglycol (CAS NO SEQ548L1)

C.A.S. No

<u>% by Wt</u>

Trade Secret 1 - 5

This material contains a chemical which requires export notification under TSCA Section 12[b]:

Ingredient (Category if applicable)

C.A.S. No

Regulation

Status

Polymer Emulsion

Trade Secret

Toxic Substances Control Act (TSCA) 5 SNUR or Consent Order Chemicals

Applicable

This material contains a chemical regulated by an EPA Significant New Use Rule (TSCA Section 5)

Ingredient (Category if applicable)

C.A.S. No

Reference

Polymer Emulsion

Trade Secret

40 CFR 721.11444

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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