Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the DENR Administrative Order No. 2015-09 Rules and Procedures for the Implementation of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Preparation of Safety Data Sheet (SDS) and Labelling Requirements of Toxic Chemical Substances.

SECTION 1: Identification

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

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

ADDRESS:	3M Philippines, 10th and 11th Floor, The Finance Center, 26th Street Corner 9th Avenue Bonifacio Global City, Taguig City, 1634 Philippines
Telephone:	+632 827 11680
E Mail:	mcvillalva@mmm.com
Website:	www.3m.com/ph

1.4. Emergency telephone number
+632 827 11680

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture
This product is not classified as a hazardous substance as implemented by the Philippines Department of Labor and Employment "Guidelines for the Implementation of the Globally Harmonized System (GHS) in Chemical Safety Program in the Workplace."

2.2. Label elements
Signal word
Not applicable.

Symbols
Not applicable

Pictograms
Not applicable

2.3. Other hazards
None known

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
Water	7732-18-5	80 - 100
Modified Silica	Trade Secret	2 - 6
Proprietary Emulsion Blend 2	Trade Secret	< 5
Proprietary Polymer Emulsion 1	Trade Secret	< 5
Proprietary Polymer Emulsion 2	Trade Secret	< 2
Proprietary Emulsion Blend 1	Trade Secret	< 2
Ethoxydiglycol	111-90-0	1 - 2
POLY(METHYL METHACRYLATE)	9011-14-7	0.5 - 1.5
BENZYL BENZOATE	120-51-4	< 1
Siloxane Carboxylate Potassium Salt	Trade Secret	< 1
ADIPIC DIHYDRAZIDE	1071-93-8	< 0.5
MODIFIED POLYDIMETHYLSILOXANE	Trade Secret	< 0.5
POLYETHYLENE WAX	Trade Secret	< 0.5
Proprietary Stabilizer 1	Trade Secret	< 0.5
Proprietary Stabilizer 2	Trade Secret	< 0.5
Silicon-based Additive	Trade Secret	< 0.5
Methylchloroisothiazolinone	26172-55-4	< 0.01
2-Methyl-4-isothiazoline-3-one	2682-20-4	< 0.01
Dimethicone	63148-62-9	< 0.01

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	Philippines OELs	TWA(8 hours):30 mg/m3(50 ppm)	

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines
Philippines OELs : Philippines. Threshold Limit Values for Airborne Contaminants
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

Physical state	Liquid
Color	Milky White
Odor	Acrylic
Odor threshold	*No Data Available*
pH	10 - 11
Melting point/Freezing point	*Not Applicable*
Boiling point/Initial boiling point/Boiling range	Approximately 95 ºC
Flash Point	93.9 ºC [@ 2,666.44 Pa] [*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	< 2,399.8 Pa [@ 20 ºC]
Vapor Density and/or Relative Vapor Density	*No Data Available*
Density	Approximately 1 g/ml
Relative Density	Approximately 1 [*Ref Std:*WATER=1]
Water solubility	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/Kinematic Viscosity	*No Data Available*
Volatile Organic Compounds	< 0.5 % weight

Percent volatile	*No Data Available*
VOC Less H2O & Exempt Solvents	< 20 g/l
Molecular weight	*Not Applicable*

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
2-Methyl-4-isothiazoline-3-one	Dermal	Rabbit	LD50 87 mg/kg
2-Methyl-4-isothiazoline-3-one	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.171 mg/l
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

Sensitization:

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	
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	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

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 labeling, 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

Acute aquatic hazard:
GHS Acute 3: Harmful to aquatic life.

Chronic aquatic hazard:
Not chronically toxic to aquatic life by GHS criteria.

No product test data available

Material	Cas #	Organism	Type	Exposure	Test Endpoint	Test Result
Modified Silica	Trade Secret	N/A	Data not available or insufficient for classification	N/A	N/A	N/A % weight
Proprietary Emulsion Blend 2	Trade Secret	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Proprietary Polymer Emulsion 1	Trade Secret	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
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
Proprietary Polymer Emulsion	Trade Secret	Algae or other aquatic plants	Analogous Compound	72 hours	IC50	21.5 mg/l

2						
Proprietary Polymer Emulsion 2	Trade Secret	Fish	Analogous Compound	96 hours	LC50	3.5 mg/l
Proprietary Polymer Emulsion 2	Trade Secret	Grass Shrimp	Analogous Compound	48 hours	EC50	20 mg/l
Proprietary Polymer Emulsion 2	Trade Secret	Algae or other aquatic plants	Analogous Compound	72 hours	NOEC	1.5 mg/l
Proprietary Polymer Emulsion 2	Trade Secret	Bluegill	Analogous Compound	32 days	NOEC	4.1 mg/l
Proprietary Polymer Emulsion 2	Trade Secret	Water flea	Analogous Compound	21 days	NOEC	49.2 mg/l
POLY(METHYL 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
Siloxane Carboxylate Potassium Salt	Trade Secret	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
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
MODIFIED POLYDIMETHYL SILOXANE	Trade Secret	N/A	Data not available or insufficient for classification	N/A	N/A	n/a
Proprietary Stabilizer 1	Trade Secret	Green algae	Estimated	72 hours	EC50	>345.4 mg/l
Proprietary Stabilizer 1	Trade Secret	Water flea	Experimental	48 hours	EC50	>220 mg/l
Proprietary Stabilizer 2	Trade Secret	Green algae	Estimated	72 hours	EC50	>120 mg/l
Proprietary Stabilizer 2	Trade Secret	Water flea	Estimated	48 hours	EC50	>500 mg/l
Proprietary Stabilizer 2	Trade Secret	Zebra Fish	Estimated	96 hours	LC50	>500 mg/l
Proprietary Stabilizer 2	Trade Secret	Activated sludge	Experimental	3 hours	EC10	>100 mg/l
Proprietary Stabilizer 2	Trade Secret	Green algae	Estimated	72 hours	NOEC	>=120 mg/l
Proprietary Stabilizer 2	Trade Secret	Water flea	Estimated	21 days	NOEC	>=100 mg/l
Silicon-based Additive	Trade Secret	N/A	Data not available or insufficient for	N/A	N/A	N/A

			classification			
2-Methyl-4-isothiazoline-3-one	2682-20-4	Activated sludge	Experimental	3 hours	EC50	41 mg/l
2-Methyl-4-isothiazoline-3-one	2682-20-4	Diatom	Experimental	72 hours	ErC50	0.0199 mg/l
2-Methyl-4-isothiazoline-3-one	2682-20-4	Green algae	Experimental	72 hours	ErC50	0.027 mg/l
2-Methyl-4-isothiazoline-3-one	2682-20-4	Mysid Shrimp	Experimental	96 hours	LC50	0.282 mg/l
2-Methyl-4-isothiazoline-3-one	2682-20-4	Rainbow Trout	Experimental	96 hours	LC50	0.19 mg/l
2-Methyl-4-isothiazoline-3-one	2682-20-4	Sheepshead Minnow	Experimental	96 hours	LC50	0.3 mg/l
2-Methyl-4-isothiazoline-3-one	2682-20-4	Water flea	Experimental	48 hours	EC50	0.16 mg/l
2-Methyl-4-isothiazoline-3-one	2682-20-4	Diatom	Experimental	48 hours	NOEC	0.00049 mg/l
2-Methyl-4-isothiazoline-3-one	2682-20-4	Fathead Minnow	Experimental	36 days	NOEC	0.02 mg/l
2-Methyl-4-isothiazoline-3-one	2682-20-4	Green algae	Experimental	72 hours	NOEC	0.004 mg/l
2-Methyl-4-isothiazoline-3-one	2682-20-4	Water flea	Experimental	21 days	NOEC	0.0111 mg/l
Dimethicone	63148-62-9	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Methylchloroisothiazolinone	26172-55-4	Diatom	Experimental	72 hours	ErC50	0.007 mg/l
Methylchloroisothiazolinone	26172-55-4	Green algae	Experimental	72 hours	ErC50	0.027 mg/l
Methylchloroisothiazolinone	26172-55-4	Mysid Shrimp	Experimental	96 hours	LC50	0.282 mg/l
Methylchloroisothiazolinone	26172-55-4	Rainbow Trout	Experimental	96 hours	LC50	0.19 mg/l
Methylchloroisothiazolinone	26172-55-4	Sheepshead Minnow	Experimental	96 hours	LC50	0.3 mg/l
Methylchloroisothiazolinone	26172-55-4	Water flea	Experimental	48 hours	EC50	0.16 mg/l
Methylchloroisothiazolinone	26172-55-4	Diatom	Experimental	48 hours	NOEC	0.00049 mg/l
Methylchloroisothiazolinone	26172-55-4	Fathead Minnow	Experimental	36 days	NOEC	0.02 mg/l
Methylchloroisothiazolinone	26172-55-4	Green algae	Experimental	72 hours	NOEC	0.004 mg/l
Methylchloroisothiazolinone	26172-55-4	Water flea	Experimental	21 days	NOEC	0.0111 mg/l

12.2. Persistence and degradability

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
Modified Silica	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Proprietary Emulsion Blend 2	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Proprietary Polymer Emulsion 1	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Ethoxydiglycol	111-90-0	Experimental Biodegradation	16 days	Carbon dioxide evolution	100 %CO2 evolution/THCO2 evolution	OECD 301B - Mod. Sturm or CO2
Proprietary Polymer Emulsion 2	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A

POLY(METHYL 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	Biological Oxygen Demand	94 %BOD/ThOD	EC C.4.D. Manometric Respirom
Siloxane Carboxylate Potassium Salt	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A
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
MODIFIED POLYDIMETHYL SILOXANE	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Proprietary Stabilizer 1	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Proprietary Stabilizer 2	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Silicon-based Additive	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A
2-Methyl-4-isothiazoline-3-one	2682-20-4	Experimental Biodegradation	29 days	Carbon dioxide evolution	62 %CO2 evolution/THCO2 evolution (does not pass 10-day window)	OECD 301B - Mod. Sturm or CO2
2-Methyl-4-isothiazoline-3-one	2682-20-4	Modeled Photolysis		Photolytic half-life (in air)	1.2 days (t 1/2)	Episuite™
2-Methyl-4-isothiazoline-3-one	2682-20-4	Experimental Hydrolysis		Hydrolytic half-life (pH 7)	>60 days (t 1/2)	OECD 111 Hydrolysis func of pH
Dimethicone	63148-62-9	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Methylchloroisothiazolinone	26172-55-4	Experimental Biodegradation	29 days	Carbon dioxide evolution	62 %CO2 evolution/THCO2 evolution (does not pass 10-day window)	OECD 301B - Mod. Sturm or CO2
Methylchloroisothiazolinone	26172-55-4	Modeled Photolysis		Photolytic half-life (in air)	1.2 days (t 1/2)	Episuite™
Methylchloroisothiazolinone	26172-55-4	Experimental Hydrolysis		Hydrolytic half-life (pH 7)	>60 days (t 1/2)	OECD 111 Hydrolysis func of pH

12.3. Bioaccumulative potential

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
Modified Silica	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Proprietary Emulsion Blend 2	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Proprietary Polymer Emulsion 1	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Ethoxydiglycol	111-90-0	Experimental Bioconcentration		Log of Octanol/H2O part. coeff	-0.54	
Proprietary Polymer Emulsion 2	Trade Secret	Analogous Compound Bioconcentration		Log of Octanol/H2O part. coeff	-1.14	OECD 107 log Kow shke flsk mtd
POLY(METHYL 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 Bioconcentration		Bioaccumulation Factor	25	Catalogic™
BENZYL BENZOATE	120-51-4	Experimental Bioconcentration		Log of Octanol/H2O part.	3.97	

				coeff		
Siloxane Carboxylate Potassium Salt	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
ADIPIC DIHYDRAZIDE	1071-93-8	Experimental Bioconcentration		Log of Octanol/H2O part. coeff	-2.7	OECD 107 log Kow shke flsk mtd
MODIFIED POLYDIMETHYL SILOXANE	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Proprietary Stabilizer 1	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Proprietary Stabilizer 2	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Silicon-based Additive	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
2-Methyl-4-isothiazoline-3-one	2682-20-4	Analogous Compound BCF - Fish	42 days	Bioaccumulation Factor	54	OECD305-Bioconcentration
Dimethicone	63148-62-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Methylchloroisothiazolinone	26172-55-4	Analogous Compound BCF - Fish	42 days	Bioaccumulation Factor	54	OECD305-Bioconcentration

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
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

Not hazardous for transportation.

Marine Transport (IMDG)

UN Number: None assigned.
Proper Shipping Name: None assigned.
Technical Name: None assigned.
Hazard Class/Division: None assigned.
Subsidiary Risk: None assigned.
Packing Group: None assigned.
Limited Quantity: None assigned.
Marine Pollutant: None assigned.

Marine Pollutant Technical Name: None assigned.
Other Dangerous Goods Descriptions:
None assigned.

Air Transport (IATA)

UN Number: None assigned.
Proper Shipping Name: None assigned.
Technical Name: None assigned.
Hazard Class/Division: None assigned.
Subsidiary Risk: None assigned.
Packing Group: None assigned.
Limited Quantity: None assigned.
Marine Pollutant: None assigned.
Marine Pollutant Technical Name: None assigned.
Other Dangerous Goods Descriptions:
None assigned.

Transportation classifications are provided as a customer service. As for shipping, YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling or marking requirements. The above information is only for reference. If you are shipping by air or ocean, YOU are advised to check & meet applicable regulatory requirements.

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

Revision information:
No revision information

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

3M Philippines SDSs are available at www.3m.com/ph