Safety Data Sheet

Document group:	27-8795-0	**Version number:**	1.00
Revision date:	01/06/2026	**Supersedes date:**	Initial issue.

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006) as amended by Regulation (EU) 2020/878

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
3M Protection & Care Cream 50367 / 50803

Product Identification Numbers
GC-8010-3646-5

7000084687

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Hand care.

1.3. Details of the supplier of the safety data sheet

Address:	3M Ireland Limited, 70 SIR JOHN ROGERSON'S QUAY, D02R296 DUBLIN 2
Telephone:	+353 1 280 3555
E Mail:	ner-productstewardship@mmm.com
Website:	www.3M.com

1.4. Emergency telephone number
+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture
CLP REGULATION (EC) No 1272/2008

CLASSIFICATION:
This material is exempt from hazard classification according to Regulation (EC) No. 1272/2008, as amended, on classification, labelling, and packaging of substances and mixtures.

2.2. Label elements
CLP REGULATION (EC) No 1272/2008
Not applicable

SUPPLEMENTAL INFORMATION:

Supplemental Hazard Statements:
EUH210 Safety data sheet available on request.

Cosmetic Information

Ingredients:
AQUA; CETEARYL ALCOHOL; Glycerol; BIS-DIGLYCERYL POLYACYLADIPATE-2; Isopropyl palmitate; POLYSORBATE 61; SORBITAN STEARATE ; CAPRYLYL GLYCOL ; PANTHENOL; Perfume; Propane-1,2-diol; ALOE BARBADENSIS EXTRACT; SODIUM HYDROXIDE

Notes on labelling
Suggested precautions: May cause eye irritation. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical advice immediately and show this container or label.

2.3. Other hazards

None known.
This material does not contain any substances that are assessed to be a PBT or vPvB

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

Ingredient	Identifier(s)	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Water	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2	50 - 75	Substance not classified as hazardous
Glycerol	(CAS-No.) 56-81-5 (EC-No.) 200-289-5	5 - 10	Substance with a national occupational exposure limit
Alcohols, C16-18	(CAS-No.) 67762-27-0 (EC-No.) 267-008-6	5 - 10	Substance not classified as hazardous
Bis-diglyceryl polyacyladipate-2	(CAS-No.) 82249-33-0	1 - 5	Substance not classified as hazardous
Isopropyl palmitate	(CAS-No.) 142-91-6 (EC-No.) 205-571-1	1 - 5	Substance not classified as hazardous
Sorbitan stearate	(CAS-No.) 1338-41-6 (EC-No.) 215-664-9	1 - 5	Substance with a national occupational exposure limit
Sorbitan monostearate, ethoxylated	(CAS-No.) 9005-67-	1 - 5	Substance with a national occupational

	8 (EC-No.) 500-020-4		exposure limit
Perfume	None	0.1 - 1	Substance not classified as hazardous
Dexpanthenol	(CAS-No.) 81-13-0 (EC-No.) 201-327-3	0.1 - 1	Substance not classified as hazardous
1,2-Octanediol	(CAS-No.) 1117-86-8 (EC-No.) 214-254-7	0.1 - 1	Eye Irrit. 2, H319
Propane-1,2-diol	(CAS-No.) 57-55-6 (EC-No.) 200-338-0	0.1 - 1	Substance with a national occupational exposure limit
Aloe vera, Ext.	(CAS-No.) 85507-69-3 (EC-No.) 287-390-8	<= 0.1	Substance not classified as hazardous
sodium hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5	<= 0.1	Skin Corr. 1A, H314 Eye Dam. 1, H318 Met. Corr. 1, H290

Please see section 16 for the full text of any H statements referred to in this section

Specific Concentration Limits

Ingredient	Identifier(s)	Specific Concentration Limits
sodium hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5	(C >= 5%) Skin Corr. 1A, H314 (2% =< C < 5%) Skin Corr. 1B, H314 (0.5% =< C < 2%) Skin Irrit. 2, H315 (C >= 2%) Eye Dam. 1, H318 (0.5% =< C < 2%) Eye Irrit. 2, H319

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

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
Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, 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. Extinguishing media
Nonflammable. 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	Condition
Hydrocarbons.	During combustion.
Carbon monoxide	During combustion.
Carbon dioxide.	During combustion.
Irritant vapours or gases.	During combustion.

5.3. Advice for fire-fighters
No special protective actions for fire-fighters are anticipated.

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. 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.

6.4. Reference to other sections
Refer to Section 8 and Section 13 for more information

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/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
No special storage requirements.

7.3. Specific end use(s)
See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

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	Identifier(s)	Agency	Limit type	Additional comments
sodium hydroxide	1310-73-2	Ireland OELs	STEL(15 minutes):2 mg/m3	
Stearates (except lead stearate)	1338-41-6	Ireland OELs	TWA(8 hours):10 mg/m3	
Dusts non-specific	56-81-5	Ireland OELs	TWA(Total inhalable dust)(8 hours):10 mg/m3;TWA(as respirable dust)(8 hours):4 mg/m3	
Propane-1,2-diol	57-55-6	Ireland OELs	TWA(as total vapour and particulates)(8 hours):470 mg/m3(150 ppm);TWA(as particulate)(8 hours):10 mg/m3	
Stearates (except lead stearate)	9005-67-8	Ireland OELs	TWA(8 hours):10 mg/m3	

Ireland OELs : Ireland. OELs
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

Biological limit values
No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

Recommended monitoring procedures: Information on recommended monitoring procedures can be obtained from Indust. Inspect./Ministry (IE)

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.

Applicable Norms/Standards
Use a respirator conforming to EN 140 or EN 136: filter types A & P

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Specific Physical Form:	Paste
Colour	White
Odor	Light Citrus, Light Jasmine, Light Perfume
Odour threshold	*No data available.*
Melting point/freezing point	*Not applicable.*
Boiling point/boiling range	100 ºC
Flammability	Not applicable.
Flammable Limits(LEL)	*Not applicable.*
Flammable Limits(UEL)	*Not applicable.*
Flash point	*Not applicable.*
Autoignition temperature	*Not applicable.*
Decomposition temperature	*No data available.*
pH	6.9 - 7.5 Units not available or not applicable.
Kinematic Viscosity	28,846 - 51,546 mm²/sec
Water solubility	Complete
Solubility- non-water	*No data available.*
Partition coefficient: n-octanol/water	*No data available.*
Vapour pressure	*No data available.*
Density	0.97 - 1.04 g/ml
Relative density	0.97 - 1.04 [*Ref Std:*WATER=1]
Relative Vapour Density	*No data available.*
Particle Characteristics	*Not applicable.*

9.2. Other information

9.2.2 Other safety characteristics

EU Volatile Organic Compounds	*No data available.*
Evaporation rate	*No data available.*

SECTION 10: Stability and reactivity

10.1 Reactivity
This material is considered to be non reactive under normal use conditions

10.2 Chemical stability
Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid
None known.

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 agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from internal hazard assessments.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation
Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

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

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

Ingestion
Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

Toxicological Data
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Glycerol	Dermal	Rabbit	LD50 estimated to be > 5,000 mg/kg
Glycerol	Ingestion	Rat	LD50 > 5,000 mg/kg
Sorbitan monostearate, ethoxylated	Dermal	Rat	LD50 > 2,000 mg/kg
Sorbitan monostearate, ethoxylated	Ingestion	Rat	LD50 > 60,000 mg/kg
Isopropyl palmitate	Ingestion	Mouse	LD50 > 5,000 mg/kg
Isopropyl palmitate	Dermal	Professional	LD50 estimated to be > 5,000 mg/kg

		judgement	
Sorbitan stearate	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
Sorbitan stearate	Ingestion	Rat	LD50 > 2,000 mg/kg
Sorbitan stearate	Inhalation-Dust/Mist (4 hours)	similar compounds	LC50 > 5 mg/l
Dexpanthenol	Ingestion	Rat	LD50 > 10,000 mg/kg
Dexpanthenol	Dermal	similar compounds	LD50 > 2,000 mg/kg
Propane-1,2-diol	Dermal	Rabbit	LD50 20,800 mg/kg
Propane-1,2-diol	Ingestion	Rat	LD50 22,000 mg/kg
1,2-Octanediol	Ingestion	Rat	LD50 > 2,000 mg/kg
1,2-Octanediol	Inhalation-Dust/Mist (4 hours)	similar compounds	LC50 > 7 mg/l
1,2-Octanediol	Dermal	similar health hazards	LD50 estimated to be 2,000 - 5,000 mg/kg
Aloe vera, Ext.	Ingestion	Rat	LD50 > 5,000 mg/kg
Aloe vera, Ext.	Dermal	similar health hazards	LD50 estimated to be > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Glycerol	Rabbit	No significant irritation
Sorbitan monostearate, ethoxylated	Rabbit	No significant irritation
Isopropyl palmitate	Rabbit	Minimal irritation
Sorbitan stearate	Rabbit	No significant irritation
Dexpanthenol	similar compounds	No significant irritation
Propane-1,2-diol	Rabbit	No significant irritation
1,2-Octanediol	Rabbit	No significant irritation
Aloe vera, Ext.	similar compounds	No significant irritation
sodium hydroxide	Rabbit	Corrosive

Serious Eye Damage/Irritation

Name	Species	Value
Glycerol	Rabbit	No significant irritation
Sorbitan monostearate, ethoxylated	Rabbit	No significant irritation
Isopropyl palmitate	Rabbit	No significant irritation
Sorbitan stearate	Rabbit	No significant irritation
Dexpanthenol	similar compounds	Mild irritant
Propane-1,2-diol	Rabbit	No significant irritation
1,2-Octanediol	Rabbit	Severe irritant
Aloe vera, Ext.	similar compounds	Mild irritant
sodium hydroxide	Rabbit	Corrosive

Skin Sensitisation

Name	Species	Value
Glycerol	Guinea pig	Not classified
Sorbitan monostearate, ethoxylated	Human	Not classified
Sorbitan stearate	similar compounds	Not classified
Dexpanthenol	Guinea pig	Not classified
Propane-1,2-diol	Human	Not classified
1,2-Octanediol	Multiple animal species	Not classified
sodium hydroxide	Human	Not classified

Respiratory Sensitisation

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

Germ Cell Mutagenicity

Name	Route	Value
Sorbitan monostearate, ethoxylated	In Vitro	Not mutagenic
Sorbitan stearate	In Vitro	Not mutagenic
Dexpanthenol	In Vitro	Not mutagenic
Propane-1,2-diol	In Vitro	Not mutagenic
Propane-1,2-diol	In vivo	Not mutagenic
1,2-Octanediol	In Vitro	Not mutagenic
Aloe vera, Ext.	In Vitro	Not mutagenic
sodium hydroxide	In Vitro	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Glycerol	Ingestion	Mouse	Some positive data exist, but the data are not sufficient for classification
Sorbitan stearate	Ingestion	Mouse	Not carcinogenic
Propane-1,2-diol	Dermal	Mouse	Not carcinogenic
Propane-1,2-diol	Ingestion	Multiple animal species	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Glycerol	Ingestion	Not classified for female reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerol	Ingestion	Not classified for male reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerol	Ingestion	Not classified for development	Rat	NOAEL 2,000 mg/kg/day	2 generation
Sorbitan monostearate, ethoxylated	Ingestion	Not classified for male reproduction	Rat	NOAEL 10,000 mg/kg/day	3 generation
Sorbitan monostearate, ethoxylated	Ingestion	Not classified for female reproduction	Rat	NOAEL 10,000 mg/kg/day	3 generation
Sorbitan monostearate, ethoxylated	Ingestion	Not classified for development	Rat	NOAEL 7,693	during organogenesis

				mg/kg/day	
Sorbitan stearate	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	premating into lactation
Sorbitan stearate	Ingestion	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	premating into lactation
Sorbitan stearate	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	42 days
Propane-1,2-diol	Ingestion	Not classified for female reproduction	Mouse	NOAEL 10,100 mg/kg/day	2 generation
Propane-1,2-diol	Ingestion	Not classified for male reproduction	Mouse	NOAEL 10,100 mg/kg/day	2 generation
Propane-1,2-diol	Ingestion	Not classified for development	Multiple animal species	NOAEL 1,230 mg/kg/day	during organogenesis
1,2-Octanediol	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	premating into lactation
1,2-Octanediol	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	42 days
1,2-Octanediol	Ingestion	Not classified for development	Rat	NOAEL 300 mg/kg/day	during gestation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Propane-1,2-diol	Ingestion	central nervous system depression	Not classified	Human and animal	NOAEL Not available	
1,2-Octanediol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
sodium hydroxide	Inhalation	respiratory irritation	May cause respiratory irritation	Human	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Glycerol	Inhalation	respiratory system | heart | liver | kidney and/or bladder	Not classified	Rat	NOAEL 3.91 mg/l	14 days
Glycerol	Ingestion	endocrine system | hematopoietic system | liver | kidney and/or bladder	Not classified	Rat	NOAEL 10,000 mg/kg/day	2 years
Sorbitan monostearate, ethoxylated	Ingestion	gastrointestinal tract | liver | hematopoietic system	Not classified	Rat	NOAEL 12,500 mg/kg/day	2 years
Sorbitan stearate	Ingestion	heart | endocrine system | gastrointestinal tract | hematopoietic system | liver | immune system | nervous system | kidney and/or bladder | respiratory	Not classified	Rat	NOAEL 1,000 mg/kg/day	42 days

		system				
Dexpanthenol	Ingestion	heart | endocrine system | gastrointestinal tract | hematopoietic system | liver | immune system | nervous system | kidney and/or bladder | respiratory system	Not classified	Rat	NOAEL 200 mg/kg/day	13 weeks
Propane-1,2-diol	Ingestion	hematopoietic system	Not classified	Multiple animal species	NOAEL 1,370 mg/kg/day	117 days
Propane-1,2-diol	Ingestion	kidney and/or bladder	Not classified	Dog	NOAEL 5,000 mg/kg/day	104 weeks
1,2-Octanediol	Ingestion	heart | skin | endocrine system | gastrointestinal tract | bone, teeth, nails, and/or hair | hematopoietic system | liver | immune system | muscles | nervous system | eyes | kidney and/or bladder | respiratory system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Aloe vera, Ext.	Ingestion	gastrointestinal tract	Not classified	Rat	NOAEL 2,382 mg/kg/day	3 months

Aspiration Hazard
For the component/components, either no data is currently available or the data is 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.

11.2. Information on other hazards

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

SECTION 12: Ecological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

12.1. Toxicity

No product test data available.

Material	Identifier(s)	Organism	Type	Exposure	Test endpoint	Test result
Alcohols, C16-18	67762-27-0	Bacteria	Estimated	30 minutes	NOEC	10,000 mg/l
Alcohols, C16-18	67762-27-0	Green algae	Estimated	96 hours	EL50	>100 mg/l
Alcohols, C16-18	67762-27-0	Green algae	Estimated	96 hours	NOEL	100 mg/l

Glycerol	56-81-5	Rainbow trout	Experimental	96 hours	LC50	54,000 mg/l
Glycerol	56-81-5	Water flea	Experimental	48 hours	LC50	1,955 mg/l
Glycerol	56-81-5	Bacteria	Experimental	16 hours	NOEC	10,000 mg/l
Bis-diglyceryl polyacyladipate-2	82249-33-0	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Isopropyl palmitate	142-91-6	Bacteria	Analogous Compound	18 hours	EC50	>10 mg/l
Isopropyl palmitate	142-91-6	Green algae	Analogous Compound	72 hours	EC50	>100 mg/l
Isopropyl palmitate	142-91-6	Water flea	Experimental	48 hours	EC50	>=3,000 mg/l
Isopropyl palmitate	142-91-6	Zebra Fish	Experimental	96 hours	LC50	>=10,000 mg/l
Isopropyl palmitate	142-91-6	Water flea	Analogous Compound	21 days	NOEC	100 mg/l
Sorbitan monostearate, ethoxylated	9005-67-8	Copepod	Analogous Compound	48 hours	LL50	>10,000 mg/l
Sorbitan monostearate, ethoxylated	9005-67-8	Green algae	Analogous Compound	72 hours	EL50	58.84 mg/l
Sorbitan monostearate, ethoxylated	9005-67-8	Zebra Fish	Analogous Compound	96 hours	LL50	>100 mg/l
Sorbitan monostearate, ethoxylated	9005-67-8	Green algae	Analogous Compound	72 hours	EC10	19.05 mg/l
Sorbitan monostearate, ethoxylated	9005-67-8	Water flea	Analogous Compound	21 days	NOEL	10 mg/l
Sorbitan stearate	1338-41-6	Activated sludge	Estimated	3 hours	EC50	>100 mg/l
Sorbitan stearate	1338-41-6	Green algae	Experimental	72 hours	EL50	>1,000 mg/l
Sorbitan stearate	1338-41-6	Medaka	Experimental	96 hours	LL50	>1,000 mg/l
Sorbitan stearate	1338-41-6	Water flea	Experimental	48 hours	EL50	>1,000 mg/l
Sorbitan stearate	1338-41-6	Water flea	Experimental	21 days	NOEL	16 mg/l
1,2-Octanediol	1117-86-8	Green algae	Experimental	72 hours	EC50	35 mg/l
1,2-Octanediol	1117-86-8	Water flea	Experimental	48 hours	EC50	176 mg/l
1,2-Octanediol	1117-86-8	Green algae	Experimental	72 hours	EC10	17 mg/l
Dexpanthenol	81-13-0	Activated sludge	Experimental	30 minutes	EC20	>800 mg/l
Dexpanthenol	81-13-0	Green algae	Experimental	72 hours	EC50	>100 mg/l
Dexpanthenol	81-13-0	Rainbow trout	Experimental	96 hours	LC50	>1,000 mg/l
Dexpanthenol	81-13-0	Water flea	Experimental	48 hours	EC50	>100 mg/l
Dexpanthenol	81-13-0	Water flea	Estimated	21 days	NOEC	100 mg/l
Dexpanthenol	81-13-0	Green algae	Experimental	72 hours	NOEC	100 mg/l
Propane-1,2-diol	57-55-6	Amphipod	Experimental	10 days	LC50	6,983 mg/kg (Dry Weight)
Propane-1,2-diol	57-55-6	Green algae	Experimental	96 hours	EC50	19,000 mg/l
Propane-1,2-diol	57-55-6	Mysid Shrimp	Experimental	96 hours	LC50	18,800 mg/l
Propane-1,2-diol	57-55-6	Rainbow trout	Experimental	96 hours	LC50	40,613 mg/l
Propane-1,2-diol	57-55-6	Water flea	Experimental	48 hours	EC50	18,340 mg/l

Propane-1,2-diol	57-55-6	Green algae	Experimental	96 hours	NOEC	15,000 mg/l
Propane-1,2-diol	57-55-6	Water flea	Experimental	7 days	NOEC	13,020 mg/l
Propane-1,2-diol	57-55-6	Bacteria	Experimental	18 hours	NOEC	>20,000 mg/l
Aloe vera, Ext.	85507-69-3	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
sodium hydroxide	1310-73-2	N/A	Data not available or insufficient for classification	N/A	N/A	N/A

12.2. Persistence and degradability

Material	Identifier(s)	Test type	Duration	Study Type	Test result	Protocol
Alcohols, C16-18	67762-27-0	Estimated Biodegradation	28 days	BOD	67 %BOD/ThOD	
Glycerol	56-81-5	Experimental Biodegradation	14 days	BOD	63 %BOD/ThOD	OECD 301C - MITI test (I)
Bis-diglyceryl polyacyladipate-2	82249-33-0	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Isopropyl palmitate	142-91-6	Experimental Biodegradation	28 days	BOD	91.3 %CO2 evolution/THCO2 evolution	OECD 301B - Modified sturm or CO2
Sorbitan monostearate, ethoxylated	9005-67-8	Analogous Compound Biodegradation	28 days	CO2 evolution	61 %CO2 evolution/THCO2 evolution	ISO 14593 Inorg C Headspace
Sorbitan stearate	1338-41-6	Experimental Biodegradation	28 days	BOD	88 %BOD/ThOD	OECD 301C - MITI test (I)
1,2-Octanediol	1117-86-8	Experimental Biodegradation	28 days	BOD	85 %BOD/ThOD	OECD 301F - Manometric respirometry
Dexpanthenol	81-13-0	Experimental Biodegradation	21 days	Dissolv. Organic Carbon Deplet	>= 97 %removal of DOC	OECD 301A - DOC Die Away Test
Propane-1,2-diol	57-55-6	Experimental Biodegradation	28 days	BOD	90 %BOD/ThOD	OECD 301C - MITI test (I)
Propane-1,2-diol	57-55-6	Experimental Biodegradation	64 days	Dissolv. Organic Carbon Deplet	95.8 %removal of DOC	OECD 306(Misc)-Biodegrad. Seaw
Aloe vera, Ext.	85507-69-3	Data not availbl-insufficient	N/A	N/A	N/A	N/A
sodium hydroxide	1310-73-2	Data not availbl-insufficient	N/A	N/A	N/A	N/A

12.3 : Bioaccumulative potential

Material	Identifier(s)	Test type	Duration	Study Type	Test result	Protocol
Alcohols, C16-18	67762-27-0	Estimated Bioconcentration		Bioaccumulation factor	661	
Glycerol	56-81-5	Experimental Bioconcentration		Log Kow	-1.75	similar to OECD 107
Bis-diglyceryl polyacyladipate-2	82249-33-0	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Isopropyl palmitate	142-91-6	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Isopropyl palmitate	142-91-6	Modeled Bioconcentration		Log Kow	8.16	Episuite™
Sorbitan monostearate, ethoxylated	9005-67-8	Experimental Bioconcentration		Log Kow	0.03	
Sorbitan stearate	1338-41-6	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
1,2-Octanediol	1117-86-8	Experimental		Log Kow	2.1	

		Bioconcentration				
Dexpanthenol	81-13-0	Experimental Bioconcentration		Log Kow	-1.06	
Propane-1,2-diol	57-55-6	Experimental Bioconcentration		Log Kow	-1.07	EC A.8 Partition Coefficient
Aloe vera, Ext.	85507-69-3	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
sodium hydroxide	1310-73-2	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

12.4. Mobility in soil

Material	Identifier(s)	Test type	Study Type	Test result	Protocol
Alcohols, C16-18	67762-27-0	Estimated Mobility in Soil	Koc	15,000 l/kg	Episuite™
Glycerol	56-81-5	Modeled Mobility in Soil	Koc	<1 l/kg	Episuite™
Isopropyl palmitate	142-91-6	Modeled Mobility in Soil	Koc	40,000 l/kg	Episuite™
Sorbitan stearate	1338-41-6	Modeled Mobility in Soil	Koc	2,400 l/kg	Episuite™
1,2-Octanediol	1117-86-8	Estimated Mobility in Soil	Koc	10 l/kg	Episuite™
Dexpanthenol	81-13-0	Estimated Mobility in Soil	Koc	10 l/kg	Episuite™
Propane-1,2-diol	57-55-6	Modeled Mobility in Soil	Koc	2.3 l/kg	Episuite™

12.5. Results of the PBT and vPvB assessment

This material does not contain any substances that are assessed to be a PBT or vPvB

12.6. Endocrine disrupting properties

This material does not contain any substances that are assessed to be an endocrine disruptor for environmental effects

12.7. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment 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 waste product in a permitted industrial waste 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.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

EU waste code (product as sold)
180107 Chemicals other than those mentioned in 18 01 06

SECTION 14: Transportation information

Not hazardous for transportation.

	Ground Transport (ADR)	Air Transport (IATA)	Marine Transport (IMDG)
14.1 - UN Number or ID number	No data available.	No data available.	No data available.
14.2 UN proper shipping name	No data available.	No data available.	No data available.
14.3 Transport hazard class(es)	No data available.	No data available.	No data available.
14.4 Packing group	No data available.	No data available.	No data available.
14.5 Environmental hazards	No data available.	No data available.	No data available.
14.6 Special precautions for user	Please refer to the other sections of the SDS for further information.	Please refer to the other sections of the SDS for further information.	Please refer to the other sections of the SDS for further information.
14.7 Marine Transport in bulk according to IMO instruments	No data available.	No data available.	No data available.
Control Temperature	No data available.	No data available.	No data available.
Emergency Temperature	No data available.	No data available.	No data available.
ADR Classification Code	No data available.	No data available.	No data available.
IMDG Segregation Code	No data available.	No data available.	No data available.

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

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 material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance

notification requirements of CEPA. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory.

DIRECTIVE 2012/18/EU
Seveso hazard categories, Annex 1, Part 1
None

Seveso named dangerous substances, Annex 1, Part 2
None

Regulation (EU) No 649/2012
No chemicals listed

15.2. Chemical Safety Assessment
A chemical safety assessment has not been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended.

SECTION 16: Other information

List of relevant H statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into the European Union, you are responsible for all regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration.

3M Ireland MSDSs are available at www.3M.com