



Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

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

1.1. Product identifier

3M™ Impregum™ Penta™ Super Quick MB Base

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

Identified uses

Dental Product

Restrictions on Use

For use only by dental professionals in approved indications.

1.3. Details of the supplier of the safety data sheet

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.
Telephone: +44 (0)1344 858 000
E Mail: tox.uk@mmm.com
Website: www.3M.com/uk

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

This product is a medical device as defined in Directive 93/42/EEC (MDD), which is invasive or used in direct physical contact with the human body, and therefore is exempt from the requirements of classification and labelling according to Regulation (EC) No. 1272/2008 (CLP; Article 1, paragraph 5). Although not required, the classification and label information, as applicable, is provided below.

CLASSIFICATION:

Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319
Skin Sensitization, Category 1A - Skin Sens. 1A; H317
Hazardous to the Aquatic Environment (Acute), Category 1 - Aquatic Acute 1; H400
Hazardous to the Aquatic Environment (Chronic), Category 2 - Aquatic Chronic 2; H411

For full text of H phrases, see Section 16.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

WARNING.

Symbols:

GHS07 (Exclamation mark) | GHS09 (Environment) |

Pictograms



Ingredients:

Ingredient	CAS Nbr	EC No.	% by Wt
1-Dodecylimidazole	4303-67-7	224-314-4	< 1
Oils, mint, <i>Mentha arvensis piperascensis</i> , var. <i>piperascens</i> , Labiatae.	68917-18-0		< 1

HAZARD STATEMENTS:

H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P280E	Wear protective gloves.
P273	Avoid release to the environment.

Response:

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Disposal:

P501	Dispose of contents/container in accordance with applicable local/regional/national/international regulations.
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Notes on labelling

H372 does not apply. Material is a paste, with no potential for inhalation exposure.

2.3. Other hazards

For information on hazards and safe use, please consider the corresponding sections of this document.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EC No.	REACH Registration No.	% by Wt	Classification
Pregon versions from multiple processes (Polyether 6000 MW backbone)	110531-92-5			40 - 60	Eye Irrit. 2, H319
Glycerides, C14-18	67701-27-3	266-945-8		1 - 20	Substance not classified as hazardous
Benzene, methylbis(phenylmethyl)-	26898-17-9	248-097-0		1 - 20	Aquatic Chronic 1, H410,M=1
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1-<10%	68855-54-9	272-489-0		1 - 20	STOT RE 2, H373
N-ethyltoluene-4-sulphonamide	80-39-7	201-275-1		1 - 10	Acute Tox. 4, H302; Aquatic Chronic 3, H412
LANTHANUM OXIDE	1312-81-8	215-200-5		1 - 5	Substance not classified as hazardous
Polyethylene-polypropylene glycol	9003-11-6			< 2	Substance not classified as hazardous
1-Dodecylimidazole	4303-67-7	224-314-4	01-2120068170-65	< 1	Aquatic Acute 1, H400,M=100 Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1A, H317
Titanium dioxide	13463-67-7	236-675-5		< 0.5	Substance with a Community level exposure limit in the workplace
Oils, mint, Mentha arvensis piperascensis, var. piperascens, Labiatae.	68917-18-0			< 1	Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1B, H317

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

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

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. 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

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

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

<u>Substance</u>	<u>Condition</u>
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. 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.

6.3. Methods and material for containment and cleaning up

Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. 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

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Do not get in eyes. A no-touch technique is recommended. If skin contact occurs, wash skin with soap and water. If product contacts glove, remove and discard glove, wash hands immediately with soap and water and then re-glove.

7.2. Conditions for safe storage including any incompatibilities

Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidising agents.

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	CAS Nbr	Agency	Limit type	Additional comments
Titanium dioxide	13463-67-7	UK HSC	TWA(Inhalable):10 mg/m ³ ;TWA(respirable):4 mg/m ³	
Silicon dioxide	68855-54-9	UK HSC	TWA(as inhalable dust):6 mg/m ³ ;TWA(as respirable dust):2.4 mg/m ³	
Quartz	68855-54-9	UK HSC	TWA(respirable):0.1 mg/m ³	

UK HSC : UK Health and Safety Commission

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.

8.2. Exposure controls**8.2.1. Engineering controls**

Use in a well-ventilated area.

8.2.2. Personal protective equipment (PPE)**Eye/face protection**

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Safety glasses with side shields.

Applicable Norms/Standards

Use eye protection conforming to EN 166

Skin/hand protection

See Section 7.1 for additional information on skin protection.

Respiratory protection

None required.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Solid.
Specific Physical Form:	Paste
Appearance/Odour	mint odor, blue paste

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Odour threshold	<i>No data available.</i>
pH	<i>Not applicable.</i>
Boiling point/boiling range	<i>Not applicable.</i>
Melting point	<i>Not applicable.</i>
Flammability (solid, gas)	Not classified
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	Flash point > 93 °C (200 °F)
Autoignition temperature	<i>No data available.</i>
Flammable Limits(LEL)	<i>Not applicable.</i>
Flammable Limits(UEL)	<i>Not applicable.</i>
Vapour pressure	<i>No data available.</i>
Relative density	> 1 [Ref Std: WATER=1]
Water solubility	Negligible
Solubility- non-water	<i>No data available.</i>
Partition coefficient: n-octanol/water	<i>No data available.</i>
Evaporation rate	<i>Not applicable.</i>
Vapour density	<i>No data available.</i>
Decomposition temperature	<i>No data available.</i>
Viscosity	<i>No data available.</i>
Density	1 - 1.2 g/cm ³

9.2. Other information

EU Volatile Organic Compounds	<i>No data available.</i>
Molecular weight	<i>No data available.</i>
Percent volatile	<i>No data available.</i>

SECTION 10: Stability and reactivity

10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Heat.

10.5 Incompatible materials

Strong acids.
Strong bases.
Strong oxidising agents.

10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
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 3M assessments.

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

This product may have a characteristic odour; however, no adverse health effects are anticipated.

Skin contact

Contact with the skin during product use is not expected to result in significant irritation. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eye contact

Moderate eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion

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

Additional Health Effects:

Carcinogenicity:

Exposures needed to cause the following health effect(s) are not expected during normal, intended use:

Contains a chemical or chemicals which can cause cancer.

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
Pregon versions from multiple processes (Polyether 6000 MW backbone)	Dermal	Professional judgement	LD50 Not applicable
Pregon versions from multiple processes (Polyether 6000 MW backbone)	Ingestion	Rat	LD50 > 2,000 mg/kg
Glycerides, C14-18	Dermal	Rabbit	LD50 > 2,000 mg/kg
Glycerides, C14-18	Ingestion	Rat	LD50 > 2,000 mg/kg
Benzene, methylbis(phenylmethyl)-	Dermal	Rabbit	LD50 > 2,000 mg/kg
Benzene, methylbis(phenylmethyl)-	Ingestion	Rat	LD50 > 10,360 mg/kg
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1-<10%	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1-<10%	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 2.7 mg/l
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1-<10%	Ingestion	Rat	LD50 > 2,000 mg/kg
N-ethyltoluene-4-sulphonamide	Dermal	Rabbit	LD50 > 5,000 mg/kg

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N-ethyltoluene-4-sulphonamide	Ingestion	similar compounds	LD50 estimated to be 300 - 2,000 mg/kg
LANTHANUM OXIDE	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
LANTHANUM OXIDE	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.3 mg/l
LANTHANUM OXIDE	Ingestion	Rat	LD50 > 10,000 mg/kg
Polyethylene-polypropylene glycol	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
Polyethylene-polypropylene glycol	Ingestion	Rat	LD50 5,700 mg/kg
1-Dodecylimidazole	Ingestion	Rat	LD50 641 mg/kg
Oils, mint, <i>Mentha arvensis piperascensis</i> , var. <i>piperascens</i> , Labiatae.	Dermal	Rabbit	LD50 > 5,000 mg/kg
Oils, mint, <i>Mentha arvensis piperascensis</i> , var. <i>piperascens</i> , Labiatae.	Ingestion	Rat	LD50 1,240 mg/kg
Titanium dioxide	Dermal	Rabbit	LD50 > 10,000 mg/kg
Titanium dioxide	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 6.82 mg/l
Titanium dioxide	Ingestion	Rat	LD50 > 10,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Pregon versions from multiple processes (Polyether 6000 MW backbone)	Rabbit	No significant irritation
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1-<10%	In vitro data	No significant irritation
LANTHANUM OXIDE	Rabbit	No significant irritation
1-Dodecylimidazole	Rabbit	Mild irritant
Oils, mint, <i>Mentha arvensis piperascensis</i> , var. <i>piperascens</i> , Labiatae.	Rabbit	Mild irritant
Titanium dioxide	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Pregon versions from multiple processes (Polyether 6000 MW backbone)	Rabbit	Moderate irritant
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1-<10%	Rabbit	Mild irritant
LANTHANUM OXIDE	Rabbit	Mild irritant
1-Dodecylimidazole	In vitro data	Severe irritant
Oils, mint, <i>Mentha arvensis piperascensis</i> , var. <i>piperascens</i> , Labiatae.	In vitro data	Severe irritant
Titanium dioxide	Rabbit	No significant irritation

Skin Sensitisation

Name	Species	Value
Pregon versions from multiple processes (Polyether 6000 MW backbone)	Guinea pig	Not classified
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1-<10%	Mouse	Not classified
LANTHANUM OXIDE	Guinea pig	Not classified
1-Dodecylimidazole	Mouse	Sensitising
Oils, mint, <i>Mentha arvensis piperascensis</i> , var. <i>piperascens</i> , Labiatae.	Guinea pig	Sensitising

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Titanium dioxide	Human and animal	Not classified
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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
Pregon versions from multiple processes (Polyether 6000 MW backbone)	In Vitro	Not mutagenic
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1-<10%	In Vitro	Some positive data exist, but the data are not sufficient for classification
1-Dodecylimidazole	In Vitro	Not mutagenic
Titanium dioxide	In Vitro	Not mutagenic
Titanium dioxide	In vivo	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1-<10%	Inhalation	Human and animal	Carcinogenic.
Titanium dioxide	Ingestion	Multiple animal species	Not carcinogenic
Titanium dioxide	Inhalation	Rat	Carcinogenic.

Reproductive Toxicity**Reproductive and/or Developmental Effects**

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

Target Organ(s)**Specific Target Organ Toxicity - single exposure**

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

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1-<10%	Inhalation	silicosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	occupational exposure
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1-<10%	Ingestion	hematopoietic system eyes kidney and/or bladder	Not classified	Rat	NOAEL 3,738 mg/kg/day	90 days
Titanium dioxide	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 0.01 mg/l	2 years
Titanium dioxide	Inhalation	pulmonary fibrosis	Not classified	Human	NOAEL Not available	occupational exposure

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.

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	CAS #	Organism	Type	Exposure	Test endpoint	Test result
Pregon versions from multiple processes (Polyether 6000 MW backbone)	110531-92-5		Data not available or insufficient for classification			
Glycerides, C14-18	67701-27-3	Green algae	Estimated	72 hours	EC50	>100 mg/l
Glycerides, C14-18	67701-27-3	Water flea	Estimated	48 hours	EC50	>100 mg/l
Glycerides, C14-18	67701-27-3	Zebra Fish	Estimated	96 hours	LC50	>100 mg/l
Glycerides, C14-18	67701-27-3	Green algae	Estimated	72 hours	NOEC	>100 mg/l
Glycerides, C14-18	67701-27-3	Water flea	Estimated	21 days	NOEC	>100 mg/l
Benzene, methylbis(phenylmethyl)-	26898-17-9	Water flea	Experimental	48 hours	EC50	>100 mg/l
Benzene, methylbis(phenylmethyl)-	26898-17-9	Zebra Fish	Experimental	96 hours	Lethal Level 50%	>100 mg/l
Benzene, methylbis(phenylmethyl)-	26898-17-9	Diatom	Experimental	72 hours	NOEC	>100 mg/l
Benzene, methylbis(phenylmethyl)-	26898-17-9	Water flea	Experimental	21 days	NOEC	0.03 mg/l
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1- <10%	68855-54-9		Data not available or insufficient for classification			
N-ethyltoluene-4-sulphonamide	80-39-7	Crustacea other	Estimated	48 hours	EC50	>=1,000 mg/l
N-ethyltoluene-4-sulphonamide	80-39-7	Rainbow trout	Estimated	96 hours	LC50	>=80 mg/l
LANTHANUM OXIDE	1312-81-8	Water flea	Experimental	48 hours	EC50	>100 mg/l
LANTHANUM OXIDE	1312-81-8	Zebra Fish	Experimental	96 hours	LC50	>100 mg/l
LANTHANUM OXIDE	1312-81-8	Water flea	Experimental	21 days	NOEC	>100 mg/l
Polyethylene-polypropylene glycol	9003-11-6		Data not available or insufficient for classification			
1-Dodecylimidazole	4303-67-7	Green Algae	Experimental	72 hours	EC50	0.00557 mg/l
1-Dodecylimidazole	4303-67-7	Water flea	Experimental	48 hours	EC50	>100 mg/l
1-Dodecylimidazole	4303-67-7	Green algae	Experimental	72 hours	Effect Concentration 10%	0.0021 mg/l

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Titanium dioxide	13463-67-7	Diatom	Experimental	72 hours	EC50	>10,000 mg/l
Titanium dioxide	13463-67-7	Fathead minnow	Experimental	96 hours	LC50	>100 mg/l
Titanium dioxide	13463-67-7	Water flea	Experimental	48 hours	EC50	>100 mg/l
Titanium dioxide	13463-67-7	Diatom	Experimental	72 hours	NOEC	5,600 mg/l
Oils, mint, <i>Mentha arvensis piperascensis</i> , var. <i>piperascens</i> , Labiatae.	68917-18-0		Data not available or insufficient for classification			

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Pregon versions from multiple processes (Polyether 6000 MW backbone)	110531-92-5	Data not available or insufficient			N/A	
Glycerides, C14-18	67701-27-3	Estimated Biodegradation	28 days	BOD	79 % BOD/ThBOD	OECD 301F - Manometric respirometry
Benzene, methylbis(phenylmethyl)-	26898-17-9	Experimental Biodegradation	28 days	BOD	0 % BOD/ThBOD	OECD 301C - MITI test (I)
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1-<10%	68855-54-9	Data not available or insufficient			N/A	
N-ethyltoluene-4-sulphonamide	80-39-7	Estimated Biodegradation	28 days	BOD	25 % weight	OECD 301C - MITI test (I)
LANTHANUM OXIDE	1312-81-8	Data not available or insufficient			N/A	
Polyethylene-polypropylene glycol	9003-11-6	Data not available or insufficient			N/A	
1-Dodecylimidazole	4303-67-7	Experimental Biodegradation	28 days	CO2 evolution	2-3 % weight	OECD 301B - Modified sturm or CO2
Titanium dioxide	13463-67-7	Data not available or insufficient			N/A	
Oils, mint, <i>Mentha arvensis piperascensis</i> , var. <i>piperascens</i> , Labiatae.	68917-18-0	Data not available or insufficient			N/A	

12.3 : Bioaccumulative potential

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
Pregon versions from multiple processes (Polyether 6000 MW backbone)	110531-92-5	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Glycerides, C14-18	67701-27-3	Estimated Bioconcentration		Bioaccumulation factor	7.4	Other methods
Benzene, methylbis(phenylmethyl)-	26898-17-9	Experimental BCF-Carp	60 days	Bioaccumulation factor	23000	OECD 305E - Bioaccumulation flow-through fish test
Flux calcined diatomaceous earth (68855-54-9) containing respirable cristobalite fraction 1-<10%	68855-54-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
N-ethyltoluene-4-sulphonamide	80-39-7	Estimated Bioconcentration		Log Kow	1.87	Other methods
LANTHANUM OXIDE	1312-81-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Polyethylene-polypropylene glycol	9003-11-6	Data not available or insufficient for	N/A	N/A	N/A	N/A

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		classification				
1-Dodecylimidazole	4303-67-7	Estimated Bioconcentration		Bioaccumulation factor	3090	Estimated: Bioconcentration factor
Titanium dioxide	13463-67-7	Experimental BCF-Carp	42 days	Bioaccumulation factor	9.6	Other methods
Oils, mint, Mentha arvensis piperascensis, var. piperascens, Labiatae.	68917-18-0	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

12.4. Mobility in soil

Please contact manufacturer for more details

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. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

See Section 11.1 Information on toxicological effects

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility.

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)

180106* Chemicals consisting of or containing dangerous substances.

SECTION 14: Transportation information

ADR: UN3077; Environmentally Hazardous Substance, Solid, N.O.S (ZINC OXIDE, 1-DODECYLIMIDAZOLE); 9; III; (-); M7.

IATA: UN3077; Environmentally Hazardous Substance, Solid, N.O.S (ZINC OXIDE, 1-DODECYLIMIDAZOLE); 9; III.

IMDG: UN3077; Environmentally Hazardous Substance, Solid, N.O.S (ZINC OXIDE, 1-DODECYLIMIDAZOLE); 9; III;

EMS: FA, SF; Marine Pollutant: ZINC OXIDE, ZINC OXIDE.

Exemption: For vessels containing a net quantity of 5 l or a net mass of 5 kg or less per single or inner packaging, special provision 375 (ADR), exemption per 2.10.2.7 (IMDG) or special provision A197 (IATA) may be applied, if applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Carcinogenicity

Ingredient

Titanium dioxide

CAS Nbr

13463-67-7

Classification

Grp. 2B: Possible human carc.

Regulation

International Agency for Research on Cancer

Global inventory status

Contact 3M for more information.

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this mixture. Chemical safety assessments for the contained substances may have been carried out by the registrants of the substances in accordance with Regulation (EC) No 1907/2006, as amended.

SECTION 16: Other information

List of relevant H statements

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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.

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