



Safety Data Sheet

Copyright, 2015, 3M Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilising 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

Document group:	18-9356-9	Version number:	5.00
Revision date:	31/05/2015	Supersedes date:	08/09/2010
Transportation version number:	1.00 (08/09/2010)		

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

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

7322 3M ESPE EXPRESS VINYL POLYSILOXANE IMPRESSION MATERIAL REGULAR BODY

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

Identified uses

Dental Impressions

Restrictions on Use

For use only by dental professionals

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

This product is a kit or a multipart product which consists of multiple, independently packaged components. A Safety Data Sheet for each of these components is included. Please do not separate the component Safety Data Sheets from this cover page. The document numbers of the MSDSs for components of this product are:

18-4003-2, 18-4009-9

TRANSPORTATION INFORMATION

ADR/IATA/IMDG: Not restricted for transport.

KIT LABEL

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

Not applicable

Notes on labelling

STOT RE 1 - Silicosis classification not applicable due to physical form of this material. Exposure via inhalation is not expected to occur.

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Not applicable

Special provisions concerning the labelling of certain substances

This product contains a substance classified as R48/20. Based on the physical form, exposure by inhalation is not expected.

Notes on labelling

This product is exempt from labelling per Directive 1999/45/EC as it is defined as a medical device according to Directive 93/42/EEC and is invasive or comes into contact with the human body.

Revision information:

Revision Changes:

Section 1: Product name information was modified.

Page Heading: Product name information was modified.

Supersedes date text information was modified.

Section 1: 1.1. product identifier heading information was modified.

Section 1: 1.2. Relevant identified uses of the substance or mixture and uses advised against heading information was modified.

Section 01: 1.3. Details of the supplier of the safety data sheet heading information was modified.

Section 1: 1.4. Emergency telephone number heading information was modified.

Section 1: Address information was modified.

Copyright information was modified.

Remark (phrase) information was added.

Section 14: Transportation classification information was added.

Company Logo information was added.

Section 2: Additional label requirements phrase information was added.

Section 2: Notes on labelling heading information was added.

Section 15: Label remarks and EU Detergent information was added.

Telephone header information was added.

Company Telephone information was added.

Section 1: Identified uses header information was added.

Section 1: Restrictions on use information information was added.

Section 1: Restrictions on use header information was added.

Section 2: 2.2. Label elements heading information was added.

Section 2: 2.2 & 2.3. CLP REGULATION heading information was added.

Section 2: 2.2 & 2.3. DSD/DPD heading information was added.

Section 02: EU DPD 'Not applicable' text information was added.

Section 02: EU CLP 'Not applicable' text information was added.

Section 2: Contains heading information was deleted.

Section 2: Safety phrases heading information was deleted.

Section 2: Risk phrases heading information was deleted.

Section 2: Symbols heading information was deleted.

Section 15: Symbol information information was deleted.

Section 15: Symbol information information was deleted.

Kit label ingredient disclosure information information was deleted.



Safety Data Sheet

Copyright, 2015, 3M Company All rights reserved. Copying and/or downloading of this information for the purpose of properly utilising 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

Document group: 18-4003-2
Revision date: 31/05/2015
Transportation version number: 1.00 (06/09/2010)

Version number: 6.00
Supersedes date: 08/09/2010

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™ ESPE™ EXPRESS™ REGULAR BODY WASH BASE

Product Identification Numbers

LE-F100-0075-1

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

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

CLASSIFICATION:

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).

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive
Indication of danger

3M™ ESPE™ EXPRESS™ REGULAR BODY WASH BASE

Dangerous for the environment; R52/53

For full text of R phrases, see Section 16.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

Not applicable

Notes on labelling

STOT RE 1 - Silicosis classification not applicable due to physical form of this material. Exposure via inhalation is not expected to occur.

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Not applicable

Special provisions concerning the labelling of certain substances

This product contains a substance classified as R48/20. Based on the physical form, exposure by inhalation is not expected.

Notes on labelling

This product is exempt from labelling per Directive 1999/45/EC as it is defined as a medical device according to Directive 93/42/EEC and is invasive or comes into contact with the human body.

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	EU Inventory	% by Wt	Classification
Quartz	14808-60-7	EINECS 238-878-4	45 - 55	Xn:R48/20 (Vendor) STOT RE 1, H372 (Self Classified)
Siloxanes and silicones, Di-Me, vinyl group-terminated	68083-19-2		25 - 35	
Dimethyl methyl hydrogen silicone fluid	68037-59-2		5 - 10	
Dimethyl siloxane, reaction product with silica	67762-90-7		< 5	
Cobalt aluminate blue spinel	1345-16-0	EINECS 310-193-6	< 5	
Siloxanes and silicones, di-Me	63148-62-9		< 5	
Glycols, polyethylene, methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	27306-78-1		< 1	Xn:R20; Xi:R36 (Self Classified) Acute Tox. 4, H332; Eye Irrit. 2, H319 (Self Classified)
GLYCOLS, POLYETHYLENE, ALLYL METHYL ETHER	27252-80-8		< 0.5	

Please see section 16 for the full text of any R phrases and H statements referred to in this section
Please refer to section 15 for the any applicable Notas that have been applied to the above components

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

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

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

Substance

Carbon monoxide.

Carbon dioxide.

Condition

During combustion.

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

Ventilate the area with fresh air. Observe precautions from other sections.

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**

Avoid prolonged or repeated skin contact. 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	CAS Nbr	Agency	Limit type	Additional comments
Quartz	14808-60-7	UK HSC	TWA(respirable):0.1 mg/m3	
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.

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	Characteristic odour, Purple

Odour threshold	No data available.
pH	Not applicable.
Boiling point/boiling range	Not applicable.
Melting point	No data available.
Flammability (solid, gas)	Not classified
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	Not applicable.
Autoignition temperature	Not applicable.
Flammable Limits(LEL)	Not applicable.
Flammable Limits(UEL)	Not applicable.
Vapour pressure	Not applicable.
Relative density	1.45 [Ref Std: WATER=1]
Water solubility	Nil
Solubility- non-water	No data available.
Partition coefficient: n-octanol/water	Not applicable.
Evaporation rate	Not applicable.
Vapour density	Not applicable.
Decomposition temperature	No data available.
Viscosity	130,000 - 200 Pa-s
Density	1.4 - 1.5 g/cm3

9.2. Other information

Volatile organic compounds (VOC)	Not applicable.
Percent volatile	No data available.
VOC less H2O & exempt solvents	Not applicable.

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

<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.

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.

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	Ingestion		No data available; calculated ATE >5,000 mg/kg
Quartz	Dermal		LD50 estimated to be > 5,000 mg/kg
Quartz	Ingestion		LD50 estimated to be > 5,000 mg/kg
Siloxanes and silicones, Di-Me, vinyl group-terminated	Dermal	Rabbit	LD50 > 15,440 mg/kg
Siloxanes and silicones, Di-Me, vinyl group-terminated	Ingestion	Rat	LD50 > 15,440 mg/kg
Dimethyl methyl hydrogen silicone fluid	Dermal	Rabbit	LD50 > 2,000 mg/kg
Dimethyl methyl hydrogen silicone fluid	Ingestion	Rat	LD50 > 2,000 mg/kg
Dimethyl siloxane, reaction product with silica	Dermal	Rabbit	LD50 > 5,000 mg/kg
Dimethyl siloxane, reaction product with silica	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Dimethyl siloxane, reaction product with silica	Ingestion	Rat	LD50 > 5,110 mg/kg
Cobalt aluminate blue spinel	Ingestion	Rat	LD50 > 10,000 mg/kg
Siloxanes and silicones, di-Me	Dermal	Rabbit	LD50 > 19,400 mg/kg
Siloxanes and silicones, di-Me	Ingestion	Rat	LD50 > 17,000 mg/kg
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Dermal	Rabbit	LD50 > 2,000 mg/kg
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Inhalation-Dust/Mist (4 hours)	Rat	LC50 2 mg/l
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Ingestion	Rat	LD50 > 2,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
------	---------	-------

3M™ ESPE™ EXPRESS™ REGULAR BODY WASH BASE

Quartz	Professional judgement	No significant irritation
Siloxanes and silicones, Di-Me, vinyl group-terminated	Rabbit	No significant irritation
Dimethyl siloxane, reaction product with silica	Rabbit	No significant irritation
Siloxanes and silicones, di-Me	Rabbit	No significant irritation
Glycols, polyethylene, methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Siloxanes and silicones, Di-Me, vinyl group-terminated	Rabbit	Mild irritant
Dimethyl siloxane, reaction product with silica	Rabbit	No significant irritation
Siloxanes and silicones, di-Me	Rabbit	No significant irritation
Glycols, polyethylene, methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Rabbit	Severe irritant

Skin Sensitisation

Name	Species	Value
Dimethyl siloxane, reaction product with silica	Human and animal	Not sensitising
Glycols, polyethylene, methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Guinea pig	Not sensitising

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
Quartz	In Vitro	Some positive data exist, but the data are not sufficient for classification
Quartz	In vivo	Some positive data exist, but the data are not sufficient for classification
Dimethyl siloxane, reaction product with silica	In Vitro	Not mutagenic
Glycols, polyethylene, methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	In Vitro	Not mutagenic
Glycols, polyethylene, methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	In vivo	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Quartz	Inhalation	Human and animal	Carcinogenic.
Dimethyl siloxane, reaction product with silica	Not specified.	Mouse	Some positive data exist, but the data are not sufficient for classification

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

Name	Route	Value	Species	Test result	Exposure Duration
Dimethyl siloxane, reaction product with silica	Ingestion	Not toxic to female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Dimethyl siloxane, reaction product with silica	Ingestion	Not toxic to male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
Dimethyl siloxane, reaction product with silica	Ingestion	Not toxic to development	Rat	NOAEL 1,350	during organogenesis

3M™ ESPE™ EXPRESS™ REGULAR BODY WASH BASE

				mg/kg/day	
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Ingestion	Some positive reproductive/developmental data exist, but the data are not sufficient for classification	Rat	NOAEL 450 mg/kg/day	premating & during gestation

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
Quartz	Inhalation	silicosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	occupational exposure
Dimethyl siloxane, reaction product with silica	Inhalation	respiratory system silicosis	All data are negative	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 Nbr	Organism	Type	Exposure	Test endpoint	Test result
GLYCOLS, POLYETHYLENE, ALLYL METHYL ETHER	27252-80-8		Data not available or insufficient for classification			
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	27306-78-1		Data not available or insufficient for classification			
Cobalt aluminate blue spinel	1345-16-0		Data not available or insufficient for classification			% weight
Siloxanes and silicones, Di-Me, vinyl group-	68083-19-2		Data not available or insufficient for classification			

3M™ ESPET™ EXPRESSTM REGULAR BODY WASH BASE

terminated						
Siloxanes and silicones, di-Me	63148-62-9		Data not available or insufficient for classification			
Dimethyl siloxane, reaction product with silica	67762-90-7		Data not available or insufficient for classification			
Dimethyl methyl hydrogen silicone fluid	68037-59-2		Data not available or insufficient for classification			
Quartz	14808-60-7		Data not available or insufficient for classification			

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
GLYCOLS, POLYETHYLENE, ALLYL METHYL ETHER	27252-80-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Glycols, polyethylene, methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	27306-78-1	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Cobalt aluminate blue spinel	1345-16-0	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Siloxanes and silicones, Di-Me, vinyl group-terminated	68083-19-2	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Siloxanes and silicones, di-Me	63148-62-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Dimethyl siloxane, reaction product with silica	67762-90-7	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Dimethyl methyl hydrogen	68037-59-2	Data not available or insufficient for	N/A	N/A	N/A	N/A

3M™ ESPET™ EXPRESS™ REGULAR BODY WASH BASE

silicone fluid		classification				
Quartz	14808-60-7	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

12.3 : Bioaccumulative potential

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
GLYCOLS, POLYETHYLENE, ALLYL METHYL ETHER	27252-80-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Glycols, polyethylene, methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsilyl)disiloxanyl]propyl ether	27306-78-1	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Cobalt aluminate blue spinel	1345-16-0	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Siloxanes and silicones, Di-Me, vinyl group-terminated	68083-19-2	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Siloxanes and silicones, di-Me	63148-62-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Dimethyl siloxane, reaction product with silica	67762-90-7	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Dimethyl methyl hydrogen silicone fluid	68037-59-2	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Quartz	14808-60-7	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

No information available at this time, contact manufacturer for more details

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

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.

EU waste code (product container after use)

180107 Chemicals other than those mentioned in 18 01 06

SECTION 14: Transportation information

ADR/IATA/IMDG: Not restricted for transport.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Carcinogenicity**Ingredient
QuartzCAS Nbr
14808-60-7Classification

Grp. 1: Carcinogenic to humans

Regulation

International Agency for Research on Cancer

Global inventory status

Contact 3M for more information. The components of this material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". 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.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information**List of relevant H statements**

H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.

List of relevant R-phrases

R20	Harmful by inhalation.
R36	Irritating to eyes.

R48/20

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Revision information:

Revision Changes:

Section 9: pH information information was modified.
Supersedes date text information was modified.
Section 1: Main heading information was modified.
Section 1: 1.1. product identifier heading information was modified.
Section 1: 1.2. Relevant identified uses of the substance or mixture and uses advised against heading information was modified.
Section 01: 1.3. Details of the supplier of the safety data sheet heading information was modified.
Section 1: 1.4. Emergency telephone number heading information was modified.
Section 2: Main heading information was modified.
Section 3: Main heading information was modified.
Section 4: Main heading information was modified.
Section 5: 5.1. Extinguishing media heading information was modified.
Section 5: Main heading information was modified.
Section 5: 5.3. Advice for fire-fighters information was modified.
Section 5: 5.2. Special hazards arising from the substance or mixture heading information was modified.
Section 6: 6.3. Methods and material for containment and cleaning up information was modified.
Section 6: 6.2. Environmental precautions heading information was modified.
Section 6: Main heading information was modified.
Section 6: 6.1. Personal precautions, protective equipment and emergency procedures heading information was modified.
Section 7: Main heading information was modified.
Section 8: Main heading information was modified.
Section 8: 8.1. Control parameters heading information was modified.
Section 8: 8.2.1 Engineering controls heading information was modified.
Section 9: Main heading information was modified.
Section 9: 9.1. Information on basic physical and chemical properties heading information was modified.
Section 9: 9.2. Other information heading information was modified.
Section 3: Composition table % by Wt Column heading information was modified.
Section 10: Main heading information was modified.
Section 11: Main heading information was modified.
Section 12: Main heading information was modified.
Section 13: Main heading information was modified.
Section 14: Main heading information was modified.
Section 15: Main heading information was modified.
Section 16: Main heading information was modified.
Section 16: UK disclaimer information was modified.
Section 1: Product identification numbers information was modified.
Section 9: Evaporation Rate information information was modified.
Section 9: Viscosity information information was modified.
Section 16: List of relevant R phrase information information was modified.
Section 3: Composition/ Information of ingredients table information was modified.
Section 9: n-octanol/water coefficient information information was modified.
Section 9: Boiling point information information was modified.
Section 9: Relative density information information was modified.
Section 9: Solubility in water text information was modified.
Section 8: Skin/hand protection heading information was modified.
Section 12: 12.1. Toxicity heading information was modified.
Section 12: 12.4 Mobility in soil heading information was modified.
Section 12: Contact manufacturer for more detail. information was modified.
Section 12: 12.2. persistence and degradability heading information was modified.
Section 12: 12.3. Bioaccumulative potential heading information was modified.
Section 12: 12.5. Results of the PBT and vPvB assessment information was modified.
Section 12: 12.6. Other adverse effects information was modified.

Section 9: Flammability (solid, gas) information information was modified.
Section 9: Explosive properties information information was modified.
Section 9: Oxidising properties information information was modified.
Section 15: Regulations - Inventories information was modified.
Section 1: Address information was modified.
Copyright information was modified.
Section 9: Flash point information information was modified.
Section 9: Melting point information information was modified.
Section 9: Flammable limits (LEL) information information was modified.
Section 9: Flammable limits (UEL) information information was modified.
Section 9: Vapour density value information was modified.
Section 9: Vapour pressure value information was modified.
Section 9: Density information information was modified.
Section 9: Property description for optional properties information was modified.
Section 8: OEL table agency column heading information was modified.
Section 8: OEL table limit type column heading information was modified.
Section 8: Occupational exposure limit table information was modified.
Section 8: OEL table Ingredient column heading information was modified.
Section 8: OEL table Additional Comments column heading information was modified.
Section 4: First aid for skin contact heading information was added.
Section 4: First aid for eye contact heading information was added.
Section 4: First aid for ingestion (swallowing) heading information was added.
Section 4: First aid for inhalation heading information was added.
Remark (phrase) information was added.
Section 15: Carcinogenicity heading information was added.
Section 1: Product identification numbers heading information was added.
Section 2: Indication of danger heading information was added.
Section 15: Carcinogenicity information information was added.
Section 2: Indication of danger information information was added.
Section 8: Respiratory protection information information was added.
Section 15: Carcinogenicity table Regulation column heading information was added.
Section 15: Carcinogenicity table Ingredient column heading information was added.
Section 15: Carcinogenicity table CAS No column heading information was added.
Section 15: Carcinogenicity table Classification column heading information was added.
Section 13: European waste code disclaimer information was added.
Section 13: EU waste code (product as sold) heading information was added.
Section 13: EU waste code (product as sold) information information was added.
Section 12: Component ecotoxicity information information was added.
Section 12: Persistence and Degradability information information was added.
Section 13: EU waste code (product container after use) heading information was added.
Section 13: EU waste code (product container after use) information information was added.
Section 12: Biocumulative potential information information was added.
Section 12: Component Ecotoxicity table Material column header information was added.
Section 12: Component Ecotoxicity table CAS No column header information was added.
Section 12: Component Ecotoxicity table Organism column header information was added.
Section 12: Component Ecotoxicity table Type column header information was added.
Section 12: Component Ecotoxicity table Exposure column header information was added.
Section 12: Component Ecotoxicity table End point column header information was added.
Section 12: Component Ecotoxicity table Result column header information was added.
Section 12: Persistence and degradability table Material column header information was added.
Section 12: Persistence and degradability table CAS No column header information was added.
Section 12: Persistence and degradability table Test Type column header information was added.
Section 12: Persistence and degradability table Duration column header information was added.
Section 12: Persistence and degradability table Test Result column header information was added.
Section 12: Persistence and degradability table Protocol column header information was added.
Section 12: Biocumulative potential table Material column header information was added.

Section 12: Bioaccumulative potential table CAS No column header information was added.
Section 12: Bioaccumulative potential table CAS No column header information was added.
Section 12: Bioaccumulative potential table Test Result column header information was added.
Section 12: Bioaccumulative potential table Protocol column header information was added.
Section 12: Bioaccumulative potential table Test Type column header information was added.
Section 14: Transportation classification information was added.
Section 2: Other hazards phrase information was added.
Company Logo information was added.
Section 2: Additional label requirements phrase information was added.
Label: CLP Classification - Header information was added.
Label: CLP Classification information was added.
Section 2: Notes on labelling heading information was added.
Section 15: Label remarks and EU Detergent information was added.
OEL Ceiling Heading information was added.
Section 8: Occupational exposure limit table information was added.
OEL Reg Agency Desc information was added.
Section 8: TWA key information was added.
Section 8: STEL key information was added.
Section 3: Reference to section 15 for Nota info information was added.
Telephone header information was added.
Section 8: OEL table CAS No Column heading information was added.
Company Telephone information was added.
Section 11: Information on Toxicological effects heading information was added.
Section 11: Signs and Symptoms of Exposure heading information was added.
Section 11: Acute Toxicity table heading information was added.
Section 11: Acute Toxicity table ATE text information was added.
Section 11: Aspiration table heading information was added.
Section 11: Acute Toxicity table information was added.
Section 11: Additional toxicological information statement information was added.
Section 11: Health effects heading information was added.
Section 11: Carcinogenicity heading information was added.
Section 11: Carcinogenicity Table information was added.
Section 11: Carcinogenicity table heading information was added.
Section 11: Serious Eye Damage/Irritation table heading information was added.
Section 11: Serious Eye Damage/Irritation Table information was added.
Section 11: Germ Cell Mutagenicity Table information was added.
Section 11: Germ Cell Mutagenicity table heading information was added.
Section 11: Additional Health Effects heading information was added.
Section 11: Skin Sensitization Table information was added.
Section 11: Name table heading information was added.
Section 11: Reproductive and/or Developmental table heading information was added.
Section 11: Reproductive Toxicity Table information was added.
Section 11: Reproductive Toxicity table heading information was added.
Section 11: Respiratory Sensitisation table heading information was added.
Section 11: Route table heading information was added.
Section 11: Skin Corrosion/Irritation Table information was added.
Section 11: Skin Sensitisation table heading information was added.
Section 11: Species table heading information was added.
Section 11: Target Organs table heading information was added.
Section 11: Target Organs - Repeated Exposure table heading information was added.
Section 11: Target Organs - Repeated Table information was added.
Section 11: Target Organs - Single Exposure table heading information was added.
Section 11: Toxicological Data heading information was added.
Section 11: Value table heading information was added.
Section 11: Health Effects - Eye information information was added.
Section 11: Health Effects - Skin information information was added.

Section 11: Health Effects - Inhalation information information was added.
Section 11: Health Effects - Ingestion information information was added.
Section 11: Cancer Hazards information information was added.
Section 11: Skin Corrosion/Irritation table heading information was added.
Section 1: Identified uses header information was added.
Section 1: Restrictions on use information information was added.
Section 1: Restrictions on use header information was added.
Section 3: Reference to R and H statement explanation in Section 16 information was added.
Section 3: Disclosure Statement information was added.
Section 12: No PBT/vPvB information available warning information was added.
Section 2: 2.1. Classification of the substance or mixture heading information was added.
Section 2: 2.2. Label elements heading information was added.
Section 2: 2.3. Other hazards heading information was added.
Section 2: 2.2 & 2.3. CLP REGULATION heading information was added.
Section 2: 2.2 & 2.3. DSD/DPD heading information was added.
Section 5: Hazardous combustion products heading information was added.
Section 5: Hazardous combustion products table information was added.
Section 5: Fire - Extinguishing media information information was added.
Section 5: Fire - Special hazards information information was added.
Section 5: Fire - Advice for fire fighters information information was added.
Section 6: 6.4. Reference to other sections heading information was added.
Section 6: Accidental release personal information information was added.
Section 6: Accidental release environmental information information was added.
Section 6: Accidental release clean-up information information was added.
Refer to Section 8 and Section 13 for more information information was added.
Section 7: 7.1. Precautions for safe handling header information was added.
Section 7: 7.2. Conditions for safe storage including any incompatibilities header information was added.
Section 7: 7.3. Specific end use(s) header information was added.
Section 7: More information statement information was added.
Section 7: Precautions safe handling information information was added.
Section 7: Conditions safe storage information was added.
Section 8: 8.1. OEL table heading information was added.
Section 8: 8.2.2. Personal protective equipment (PPE) heading information was added.
Section 8: Appropriate Engineering controls information information was added.
Section 8: Personal Protection - Eye information information was added.
Section 8: Personal Protection - Skin/hand information information was added.
Section 10: 10.1. Reactivity heading information was added.
Section 10: 10.2. Chemical stability heading information was added.
Section 10: 10.3. Possibility of hazardous reactions heading information was added.
Section 10: 10.4. Conditions to avoid heading information was added.
Section 10: 10.5. Incompatible materials heading information was added.
Section 10: 10.6 Hazardous decomposition products information was added.
Section 10: Hazardous decomposition or by-products table information was added.
Section 10.1: Reactivity information information was added.
Section 13: 13.1. Waste treatment method heading information was added.
Section 13: 13.1. Waste disposal note information was added.
Section 13: Standard Phrase Category Waste GHS information was added.
Section 4: 4.1. Description of first aid measures heading information was added.
Section 4: 4.2. Most important symptoms and effects, both acute and delayed information was added.
Section 4: 4.3. Indication of any immediate medical attention and special treatment required heading information was added.
Section 4: First aid for eye contact information information was added.
Section 4: First aid for skin contact information information was added.
Section 4: First aid for inhalation information information was added.
Section 4: First aid for ingestion (swallowing) information information was added.
Section 4: First Aid - notes to physician (REACH/GHS) information was added.
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given

material. information was added.

Section 16: List of relevant H statements heading information was added.

Section 4:4.2. Information on toxicological effects text information was added.

Section 8: 8.2. Exposure controls heading information was added.

Section 10: 10.6. Hazardous decomposition products table column 1 heading information was added.

Section 10: 10.6. Hazardous decomposition products table column 2 heading information was added.

Section 15: 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture heading information was added.

Section 15: 15.2. Chemical Safety Assessment information was added.

Section 15: Chemical Safety Assessment information was added.

Section 11: Potential effects from eye contact heading information was added.

Section 11: Potential effects from skin contact heading information was added.

Section 11: Potential effects from inhalation heading information was added.

Section 11: Potential effects from ingestion heading information was added.

Section 12: Persistence and degradability table Study Type column header information was added.

Section 12: Bioaccumulative potential table Test Type column header information was added.

Section 9: Odour Threshold information was added.

Section 9: Solubility (non-water) information was added.

Section 09: Decomposition Temperature information was added.

Section 02: EU DPD 'Not applicable' text information was added.

Section 02: EU CLP 'Not applicable' text information was added.

Section 10: Hazardous decomposition products during combustion text information was added.

Section 11: Disclosed components not in tables text information was added.

Section 12: Classification Warning information was added.

Section 11: Classification disclaimer information was added.

Section 11: Aspiration Hazard text information was added.

Section 9: Autoignition temperature information was added.

Section 8: 8.1.1 Biological limit values table heading information was added.

Section 8: BLV information was added.

Section 2: R phrase reference information was added.

Section 9: Flammability (solid, gas) information was added.

Section 11: Respiratory Sensitization text information was added.

Section 11: Skin Sensitization table - Name heading information was added.

Section 11: Skin Sensitization table - Species heading information was added.

Section 11: Skin Sensitization table - Value heading information was added.

Section 11: Serious Eye Damage/Irritation table - Name heading information was added.

Section 11: Serious Eye Damage/Irritation table - Species heading information was added.

Section 11: Serious Eye Damage/Irritation table - Value heading information was added.

Section 11: Skin Corrosion/Irritation table - Name heading information was added.

Section 11: Skin Corrosion/Irritation table - Species heading information was added.

Section 11: Skin Corrosion/Irritation table - Value heading information was added.

Section 11: Germ Cell Mutagenicity table - Name heading information was added.

Section 11: Germ Cell Mutagenicity table - Route heading information was added.

Section 11: Germ Cell Mutagenicity table - Value heading information was added.

Section 11: Specific Target Organ Toxicity - repeated exposure table - Name heading information was added.

Section 11: Specific Target Organ Toxicity - repeated exposure table - Route heading information was added.

Section 11: Specific Target Organ Toxicity - repeated exposure table - Target Organ(s) heading information was added.

Section 11: Specific Target Organ Toxicity - repeated exposure table - Value heading information was added.

Section 11: Specific Target Organ Toxicity - repeated exposure table - Species heading information was added.

Section 11: Specific Target Organ Toxicity - repeated exposure table - Test Result heading information was added.

Section 11: Specific Target Organ Toxicity - repeated exposure table - Exposure Duration heading information was added.

Section 11: Specific Target Organ Toxicity - single exposure text information was added.

Section 11: Reproductive and/or Developmental Effects table - Name heading information was added.

Section 11: Reproductive and/or Developmental Effects table - Route heading information was added.

Section 11: Reproductive and/or Developmental Effects table - Value heading information was added.

Section 11: Reproductive and/or Developmental Effects table - Species heading information was added.

Section 11: Reproductive and/or Developmental Effects table - Test Result heading information was added.
Section 11: Reproductive and/or Developmental Effects text information was added.
Section 11: Carcinogenicity table - Name heading information was added.
Section 11: Carcinogenicity table - Route heading information was added.
Section 11: Carcinogenicity table - Species heading information was added.
Section 11: Carcinogenicity table - Value heading information was added.
Section 7: Handling heading information was deleted.
Company Logo information was deleted.
Section 3: Potential effects from eye contact heading information was deleted.
Section 3: Potential effects from skin contact heading information was deleted.
Section 3: Potential effects from inhalation heading information was deleted.
Section 3: Potential effects from ingestion heading information was deleted.
Section 4: First aid for eye contact - decontamination - information was deleted.
Section 4: First aid for eye contact - medical assistance - information was deleted.
Section 5: Extinguishing media information information was deleted.
Section 7: Storage heading information was deleted.
Section 8: Engineering controls information information was deleted.
Section 8: Prevention of swallowing information information was deleted.
Section 10: Hazardous decomposition or by-products table information was deleted.
Section 13: Waste disposal method heading information was deleted.
Section 13: Waste disposal method information information was deleted.
Section 4: First aid for skin contact - decontamination - information was deleted.
Section 4: First aid for skin contact - medical assistance - information was deleted.
Section 4: First aid for inhalation - termination of exposure - information was deleted.
Section 4: First aid for inhalation - medical assistance - information was deleted.
Section 4: First aid for ingestion (swallowing) - decontamination - information was deleted.
Section 4: First aid for ingestion (swallowing) - intervention - information was deleted.
Section 4: First aid for ingestion (swallowing) - medical assistance - information was deleted.
Risk phrase information was deleted.
Section 8: Eye/face protection text information was deleted.
Section 6: Release measures note information was deleted.
Section 3: Ingredient phrase information was deleted.
Section 3: Other potential health effects information was deleted.
First Aid text information was deleted.
Section 2 Risk phrases heading information was deleted.
Section 5: Unsuitable extinguishing media heading information was deleted.
Section 8: Hand Protection heading information was deleted.
Section 8: Environmental exposure controls no data available text information was deleted.
Section 8: Exposure controls heading information was deleted.
Section 8: 8.2.3. Environmental exposure controls heading information was deleted.
Section 9: Important health safety and environmental information heading information was deleted.
Section 10.1 Conditions to avoid heading information was deleted.
Section 10.2 Materials to avoid heading information was deleted.
Section 10: Hazardous decomposition products heading information was deleted.
Section 2: Contains heading information was deleted.
Section 2: Safety phrases heading information was deleted.
Section 16: Restrictions on use information information was deleted.
Section 2: Risk phrase information information was deleted.
Section 16: Restrictions on use heading information was deleted.
Section 7: Handling information information was deleted.
Section 7: Storage information information was deleted.
Section 8: Prevention of swallowing heading information was deleted.
Section 8: Eye/face protection information information was deleted.
Section 8: Respiratory protection information information was deleted.
Section 8: Skin protection information information was deleted.
Section 5: Unusual fire and explosion hazard information information was deleted.

Section 5: Fire fighting procedures information information was deleted.
Section 2: Label ingredient information information was deleted.
Section 2: Risk phrases heading information was deleted.
Section 2: Symbols heading information was deleted.
Section 15: Symbol information information was deleted.
Section 15: Symbol information information was deleted.
Section 8: Skin protection - recommended gloves information information was deleted.
Section 11: Potential effects from eye contact information information was deleted.
Section 11: Potential respiratory effects information information was deleted.
Section 11: Potential effects from ingestion information information was deleted.
Section 11: Potential effects from skin contact information information was deleted.
Section 12: No data available information information was deleted.
Section 12: Environmental risk information information was deleted.
Section 6: Personal precautions information information was deleted.
Section 6: Environmental procedures information information was deleted.
Section 6: Methods for cleaning up information information was deleted.
Section 8: Hand protection information information was deleted.
Section 2: Other hazards heading information was deleted.
Reference to R phrase explanation in Section 16 information was deleted.
Section 2: Label remarks information was deleted.
Prints No Data if Component ecotoxicity information is not present information was deleted.
Prints No Data if Persistence and Degradability information is not present information was deleted.
Prints No Data if Bioaccumulative potential information is not present information was deleted.

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 United Kingdom MSDSs are available at www.3M.com/uk



Safety Data Sheet

Copyright, 2015, 3M Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilising 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

Document group:	18-4009-9	Version number:	4.00
Revision date:	31/05/2015	Supersedes date:	08/09/2010
Transportation version number:	1.00 (08/09/2010)		

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™ ESPET™ EXPRESS™ REGULAR BODY WASH CATALYST

Product Identification Numbers

LE-F100-0075-3

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

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

CLASSIFICATION:

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).

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

3M™ ESPET™ EXPRESSTM REGULAR BODY WASH CATALYST

This product is not classified as hazardous according to EU Directive 1999/45/EC.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

Not applicable

Notes on labelling

This product contains a substance classified as STOT RE 1. Based on the physical form, exposure by inhalation is not expected.

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Not applicable

Special provisions concerning the labelling of certain substances

This product contains a substance classified as R48/20. Based on the physical form, exposure by inhalation is not expected.

Notes on labelling

This product is exempt from labelling per Directive 1999/45/EC as it is defined as a medical device according to Directive 93/42/EEC and is invasive or comes into contact with the human body.

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	EU Inventory	% by Wt	Classification
Quartz	14808-60-7	EINECS 238-878-4	50 - 60	Xn:R48/20 (Vendor) STOT RE 1, H372 (Self Classified)
Siloxanes and silicones, Di-Me, vinyl group-terminated	68083-19-2		35 - 45	
Dimethyl siloxane, reaction product with silica	67762-90-7		< 10	
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	27306-78-1		< 0.5	Xn:R20; Xi:R36 (Self Classified) Acute Tox. 4, H332; Eye Irrit. 2, H319 (Self Classified)

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

Please refer to section 15 for the any applicable Notas that have been applied to the above components

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

3M™ ESPETM EXPRESSTM REGULAR BODY WASH CATALYST

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

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.

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

Ventilate the area with fresh air. Observe precautions from other sections.

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. 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

Avoid prolonged or repeated skin contact. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

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	CAS Nbr	Agency	Limit type	Additional comments
Quartz	14808-60-7	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.

Skin/hand protection

See Section 7.1 for additional information on skin protection.

Respiratory protection

Respiratory protection is not 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	Characteristic odour, Purple
Odour threshold	No data available.
pH	Not applicable.
Boiling point/boiling range	Not applicable.
Melting point	No data available.
Flammability (solid, gas)	Not classified
Explosive properties	Not classified
Oxidising properties	Not classified

Flash point	Not applicable.
Autoignition temperature	No data available.
Flammable Limits(LEL)	Not applicable.
Flammable Limits(UEL)	Not applicable.
Vapour pressure	Not applicable.
Relative density	1.45 [Ref Std: WATER=1]
Water solubility	Nil
Solubility- non-water	No data available.
Partition coefficient: n-octanol/water	Not applicable.
Evaporation rate	Not applicable.
Vapour density	Not applicable.
Decomposition temperature	No data available.
Viscosity	No data available.
Density	1.4 - 1.5 g/cm3

9.2. Other information
Percent volatile

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 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.

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.

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	Ingestion		No data available; calculated ATE >5,000 mg/kg
Quartz	Dermal		LD50 estimated to be > 5,000 mg/kg
Quartz	Ingestion		LD50 estimated to be > 5,000 mg/kg
Siloxanes and silicones, Di-Me, vinyl group-terminated	Dermal	Rabbit	LD50 > 15,440 mg/kg
Siloxanes and silicones, Di-Me, vinyl group-terminated	Ingestion	Rat	LD50 > 15,440 mg/kg
Dimethyl siloxane, reaction product with silica	Dermal	Rabbit	LD50 > 5,000 mg/kg
Dimethyl siloxane, reaction product with silica	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Dimethyl siloxane, reaction product with silica	Ingestion	Rat	LD50 > 5,110 mg/kg
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Dermal	Rabbit	LD50 > 2,000 mg/kg
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Inhalation-Dust/Mist (4 hours)	Rat	LC50 2 mg/l
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Ingestion	Rat	LD50 > 2,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Quartz	Professional judgement	No significant irritation
Siloxanes and silicones, Di-Me, vinyl group-terminated	Rabbit	No significant irritation
Dimethyl siloxane, reaction product with silica	Rabbit	No significant irritation
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Siloxanes and silicones, Di-Me, vinyl group-terminated	Rabbit	Mild irritant
Dimethyl siloxane, reaction product with silica	Rabbit	No significant irritation

3M™ ESPET™ EXPRESS™ REGULAR BODY WASH CATALYST

Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Rabbit	Severe irritant
--	--------	-----------------

Skin Sensitisation

Name	Species	Value
Dimethyl siloxane, reaction product with silica	Human and animal	Not sensitising
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Guinea pig	Not sensitising

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
Quartz	In Vitro	Some positive data exist, but the data are not sufficient for classification
Quartz	In vivo	Some positive data exist, but the data are not sufficient for classification
Dimethyl siloxane, reaction product with silica	In Vitro	Not mutagenic
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	In Vitro	Not mutagenic
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	In vivo	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Quartz	Inhalation	Human and animal	Carcinogenic.
Dimethyl siloxane, reaction product with silica	Not specified.	Mouse	Some positive data exist, but the data are not sufficient for classification

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

Name	Route	Value	Species	Test result	Exposure Duration
Dimethyl siloxane, reaction product with silica	Ingestion	Not toxic to female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Dimethyl siloxane, reaction product with silica	Ingestion	Not toxic to male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
Dimethyl siloxane, reaction product with silica	Ingestion	Not toxic to development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxanyl]propyl ether	Ingestion	Some positive reproductive/developmental data exist, but the data are not sufficient for classification	Rat	NOAEL 450 mg/kg/day	prematuring & during gestation

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
Quartz	Inhalation	silicosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	occupational exposure

3M™ ESPET™ EXPRESS™ REGULAR BODY WASH CATALYST

Dimethyl siloxane, reaction product with silica	Inhalation	respiratory system silicosis	All data are negative	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 Nbr	Organism	Type	Exposure	Test endpoint	Test result
Dimethyl siloxane, reaction product with silica	67762-90-7		Data not available or insufficient for classification			
Glycols, polyethylene, methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxy]propyl ether	27306-78-1		Data not available or insufficient for classification			
Quartz	14808-60-7		Data not available or insufficient for classification			
Siloxanes and silicones, Di-Me, vinyl group-terminated	68083-19-2		Data not available or insufficient for classification			

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Glycols, polyethylene, methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsiloxy)disiloxy]propyl ether	27306-78-1	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Dimethyl siloxane,	67762-90-7	Data not available or	N/A	N/A	N/A	N/A

3M™ ESPET™ EXPRESST™ REGULAR BODY WASH CATALYST

reaction product with silica		insufficient for classification				
Quartz	14808-60-7	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Siloxanes and silicones, Di-Me, vinyl group-terminated	68083-19-2	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

12.3 : Bioaccumulative potential

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Glycols,polyethylene,methyl 3-[1,3,3,3-tetramethyl-1-(trimethylsilox y)disiloxanyl]propyl ether	27306-78-1	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Siloxanes and silicones, Di-Me, vinyl group-terminated	68083-19-2	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Dimethyl siloxane, reaction product with silica	67762-90-7	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Quartz	14808-60-7	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

No information available at this time, contact manufacturer for more details

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

Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial

3M™ ESPET™ EXPRESSTM REGULAR BODY WASH CATALYST

waste.

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.

EU waste code (product container after use)

180107 Chemicals other than those mentioned in 18 01 06

SECTION 14: Transportation information

ADR/IATA/IMDG: Not restricted for transport.

SECTION 15: Regulatory information

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

Carcinogenicity

Ingredient

Quartz

CAS Nbr

14808-60-7

Classification

Grp. 1: Carcinogenic to humans

Regulation

International Agency for Research on Cancer

Global inventory status

Contact 3M for more information. The components of this product are in compliance with the new substance notification requirements of CEPA.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information

List of relevant H statements

H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.

List of relevant R-phrases

R20	Harmful by inhalation.
R36	Irritating to eyes.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Revision information:

Revision Changes:

Section 9: pH information information was modified.

Supersedes date text information was modified.

Section 1: Main heading information was modified.

Section 1: 1.1. product identifier heading information was modified.

Section 1: 1.2. Relevant identified uses of the substance or mixture and uses advised against heading information was modified.

Section 01: 1.3. Details of the supplier of the safety data sheet heading information was modified.
Section 1: 1.4. Emergency telephone number heading information was modified.
Section 2: Main heading information was modified.
Section 3: Main heading information was modified.
Section 4: Main heading information was modified.
Section 5: 5.1. Extinguishing media heading information was modified.
Section 5: Main heading information was modified.
Section 5: 5.3. Advice for fire-fighters information was modified.
Section 5: 5.2. Special hazards arising from the substance or mixture heading information was modified.
Section 6: 6.3. Methods and material for containment and cleaning up information was modified.
Section 6: 6.2. Environmental precautions heading information was modified.
Section 6: Main heading information was modified.
Section 6: 6.1. Personal precautions, protective equipment and emergency procedures heading information was modified.
Section 7: Main heading information was modified.
Section 8: Main heading information was modified.
Section 8: 8.1. Control parameters heading information was modified.
Section 8: 8.2.1 Engineering controls heading information was modified.
Section 9: Main heading information was modified.
Section 9: 9.1. Information on basic physical and chemical properties heading information was modified.
Section 9: 9.2. Other information heading information was modified.
Section 3: Composition table % by Wt Column heading information was modified.
Section 10: Main heading information was modified.
Section 11: Main heading information was modified.
Section 12: Main heading information was modified.
Section 13: Main heading information was modified.
Section 14: Main heading information was modified.
Section 15: Main heading information was modified.
Section 16: Main heading information was modified.
Section 16: UK disclaimer information was modified.
Section 1: Product identification numbers information was modified.
Section 9: Viscosity information information was modified.
Section 16: List of relevant R phrase information information was modified.
Section 3: Composition/ Information of ingredients table information was modified.
Section 9: n-octanol/water coefficient information information was modified.
Section 9: Boiling point information information was modified.
Section 9: Relative density information information was modified.
Section 9: Solubility in water text information was modified.
Section 8: Skin/hand protection heading information was modified.
Section 12: 12.1. Toxicity heading information was modified.
Section 12: 12.4 Mobility in soil heading information was modified.
Section 12: Contact manufacturer for more detail. information was modified.
Section 12: 12.2. persistence and degradability heading information was modified.
Section 12: 12.3. Bioaccumulative potential heading information was modified.
Section 12: 12.5. Results of the PBT and vPvB assessment information was modified.
Section 12: 12.6. Other adverse effects information was modified.
Section 9: Flammability (solid, gas) information information was modified.
Section 9: Explosive properties information information was modified.
Section 9: Oxidising properties information information was modified.
Section 15: Regulations - Inventories information was modified.
Section 1: Address information was modified.
Copyright information was modified.
Section 9: Flash point information information was modified.
Section 9: Melting point information information was modified.
Section 9: Flammable limits (LEL) information information was modified.
Section 9: Flammable limits (UEL) information information was modified.
Section 9: Vapour density value information was modified.

Section 9: Vapour pressure value information was modified.
 Section 9: Density information information was modified.
 Section 9: Property description for optional properties information was modified.
 Section 8: OEL table agency column heading information was modified.
 Section 8: OEL table limit type column heading information was modified.
 Section 8: Occupational exposure limit table information was modified.
 Section 8: OEL table Ingredient column heading information was modified.
 Section 8: OEL table Additional Comments column heading information was modified.
 Section 4: First aid for skin contact heading information was added.
 Section 4: First aid for eye contact heading information was added.
 Section 4: First aid for ingestion (swallowing) heading information was added.
 Section 4: First aid for inhalation heading information was added.
 Remark (phrase) information was added.
 Section 15: Carcinogenicity heading information was added.
 Section 1: Product identification numbers heading information was added.
 Section 9: Evaporation Rate information information was added.
 Section 15: Carcinogenicity information information was added.
 Section 15: Carcinogenicity table Regulation column heading information was added.
 Section 15: Carcinogenicity table Ingredient column heading information was added.
 Section 15: Carcinogenicity table CAS No column heading information was added.
 Section 15: Carcinogenicity table Classification column heading information was added.
 Section 13: European waste code disclaimer information was added.
 Section 13: EU waste code (product as sold) heading information was added.
 Section 13: EU waste code (product as sold) information information was added.
 Section 12: Component ecotoxicity information information was added.
 Section 12: Persistence and Degradability information information was added.
 Section 13: EU waste code (product container after use) heading information was added.
 Section 13: EU waste code (product container after use) information information was added.
 Section 12: Biocumulative potential information information was added.
 Section 12: Component Ecotoxicity table Material column header information was added.
 Section 12: Component Ecotoxicity table CAS No column header information was added.
 Section 12: Component Ecotoxicity table Organism column header information was added.
 Section 12: Component Ecotoxicity table Type column header information was added.
 Section 12: Component Ecotoxicity table Exposure column header information was added.
 Section 12: Component Ecotoxicity table End point column header information was added.
 Section 12: Component Ecotoxicity table Result column header information was added.
 Section 12: Persistence and degradability table Material column header information was added.
 Section 12: Persistence and degradability table CAS No column header information was added.
 Section 12: Persistence and degradability table Test Type column header information was added.
 Section 12: Persistence and degradability table Duration column header information was added.
 Section 12: Persistence and degradability table Test Result column header information was added.
 Section 12: Persistence and degradability table Protocol column header information was added.
 Section 12: Biocumulative potential table Material column header information was added.
 Section 12: Biocumulative potential table CAS No column header information was added.
 Section 12: Biocumulative potential table CAS No column header information was added.
 Section 12: Biocumulative potential table Test Result column header information was added.
 Section 12: Biocumulative potential table Protocol column header information was added.
 Section 12: Biocumulative potential table Test Type column header information was added.
 Section 14: Transportation classification information was added.
 Section 2: Other hazards phrase information was added.
 Company Logo information was added.
 Section 2: Additional label requirements phrase information was added.
 Label: CLP Classification - Header information was added.
 Label: CLP Classification information was added.
 Section 2: Notes on labelling heading information was added.
 Section 15: Label remarks and EU Detergent information was added.

OEL Ceiling Heading information was added.
Section 8: Occupational exposure limit table information was added.
OEL Reg Agency Desc information was added.
Section 8: TWA key information was added.
Section 8: STEL key information was added.
Section 3: Reference to section 15 for Nota info information was added.
Telephone header information was added.
Section 8: OEL table CAS No Column heading information was added.
Company Telephone information was added.
Section 11: Information on Toxicological effects heading information was added.
Section 11: Signs and Symptoms of Exposure heading information was added.
Section 11: Acute Toxicity table heading information was added.
Section 11: Acute Toxicity table ATE text information was added.
Section 11: Aspiration table heading information was added.
Section 11: Acute Toxicity table information was added.
Section 11: Additional toxicological information statement information was added.
Section 11: Health effects heading information was added.
Section 11: Carcinogenicity heading information was added.
Section 11: Carcinogenicity Table information was added.
Section 11: Carcinogenicity table heading information was added.
Section 11: Serious Eye Damage/Irritation table heading information was added.
Section 11: Serious Eye Damage/Irritation Table information was added.
Section 11: Germ Cell Mutagenicity Table information was added.
Section 11: Germ Cell Mutagenicity table heading information was added.
Section 11: Additional Health Effects heading information was added.
Section 11: Skin Sensitization Table information was added.
Section 11: Name table heading information was added.
Section 11: Reproductive and/or Developmental table heading information was added.
Section 11: Reproductive Toxicity Table information was added.
Section 11: Reproductive Toxicity table heading information was added.
Section 11: Respiratory Sensitisation table heading information was added.
Section 11: Route table heading information was added.
Section 11: Skin Corrosion/Irritation Table information was added.
Section 11: Skin Sensitisation table heading information was added.
Section 11: Species table heading information was added.
Section 11: Target Organs table heading information was added.
Section 11: Target Organs - Repeated Exposure table heading information was added.
Section 11: Target Organs - Repeated Table information was added.
Section 11: Target Organs - Single Exposure table heading information was added.
Section 11: Toxicological Data heading information was added.
Section 11: Value table heading information was added.
Section 11: Health Effects - Eye information information was added.
Section 11: Health Effects - Skin information information was added.
Section 11: Health Effects - Inhalation information information was added.
Section 11: Health Effects - Ingestion information information was added.
Section 11: Cancer Hazards information information was added.
Section 11: Skin Corrosion/Irritation table heading information was added.
Section 1: Identified uses header information was added.
Section 1: Restrictions on use information information was added.
Section 1: Restrictions on use header information was added.
Section 3: Reference to R and H statement explanation in Section 16 information was added.
Section 3: Disclosure Statement information was added.
Section 12: No PBT/vPvB information available warning information was added.
Section 2: 2.1. Classification of the substance or mixture heading information was added.
Section 2: 2.2. Label elements heading information was added.
Section 2: 2.3. Other hazards heading information was added.

Section 2: 2.2 & 2.3. CLP REGULATION heading information was added.
Section 2: 2.2 & 2.3. DSD/DPD heading information was added.
Section 5: Hazardous combustion products heading information was added.
Section 5: Hazardous combustion products table information was added.
Section 5: Fire - Extinguishing media information information was added.
Section 5: Fire - Special hazards information information was added.
Section 5: Fire - Advice for fire fighters information information was added.
Section 6: 6.4. Reference to other sections heading information was added.
Section 6: Accidental release personal information information was added.
Section 6: Accidental release environmental information information was added.
Section 6: Accidental release clean-up information information was added.
Refer to Section 8 and Section 13 for more information information was added.
Section 7: 7.1. Precautions for safe handling header information was added.
Section 7: 7.2. Conditions for safe storage including any incompatibilities header information was added.
Section 7: 7.3. Specific end use(s) header information was added.
Section 7: More information statement information was added.
Section 7: Precautions safe handling information information was added.
Section 7: Conditions safe storage information was added.
Section 8: 8.1. OEL table heading information was added.
Section 8: 8.2.2. Personal protective equipment (PPE) heading information was added.
Section 8: Appropriate Engineering controls information information was added.
Section 8: Personal Protection - Eye information information was added.
Section 8: Personal Protection - Skin/hand information information was added.
Section 8: Personal Protection - Respiratory Information information was added.
Section 10: 10.1. Reactivity heading information was added.
Section 10: 10.2. Chemical stability heading information was added.
Section 10: 10.3. Possibility of hazardous reactions heading information was added.
Section 10: 10.4. Conditions to avoid heading information was added.
Section 10: 10.5. Incompatible materials heading information was added.
Section 10: 10.6 Hazardous decomposition products information was added.
Section 10: Hazardous decomposition or by-products table information was added.
Section 10.1: Reactivity information information was added.
Section 13: 13.1. Waste treatment method heading information was added.
Section 13: 13.1. Waste disposal note information was added.
Section 13: Standard Phrase Category Waste GHS information was added.
Section 4: 4.1. Description of first aid measures heading information was added.
Section 4: 4.2. Most important symptoms and effects, both acute and delayed information was added.
Section 4: 4.3. Indication of any immediate medical attention and special treatment required heading information was added.
Section 4: First aid for eye contact information information was added.
Section 4: First aid for skin contact information information was added.
Section 4: First aid for inhalation information information was added.
Section 4: First aid for ingestion (swallowing) information information was added.
Section 4: First Aid - notes to physician (REACH/GHS) information was added.
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was added.
Section 16: List of relevant H statements heading information was added.
Section 4:4.2. Information on toxicological effects text information was added.
Section 8: 8.2. Exposure controls heading information was added.
Section 10: 10.6. Hazardous decomposition products table column 1 heading information was added.
Section 10: 10.6. Hazardous decomposition products table column 2 heading information was added.
Section 15: 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture heading information was added.
Section 15: 15.2. Chemical Safety Assessment information was added.
Section 15: Chemical Safety Assessment information was added.
Section 2.1: Classification information information was added.
Section 11: Potential effects from eye contact heading information was added.

Section 11: Potential effects from skin contact heading information was added.
 Section 11: Potential effects from inhalation heading information was added.
 Section 11: Potential effects from ingestion heading information was added.
 Section 12: Persistence and degradability table Study Type column header information was added.
 Section 12: Bioaccumulative potential table Test Type column header information was added.
 Section 9: Odour Threshold information was added.
 Section 9: Solubility (non-water) information was added.
 Section 09: Decomposition Temperature information was added.
 Section 02: EU DPD 'Not applicable' text information was added.
 Section 02: EU CLP 'Not applicable' text information was added.
 Section 10: Hazardous decomposition products during combustion text information was added.
 Section 11: Disclosed components not in tables text information was added.
 Section 12: Classification Warning information was added.
 Section 11: Classification disclaimer information was added.
 Section 11: Aspiration Hazard text information was added.
 Section 9: Autoignition temperature information information was added.
 Section 8: 8.1.1 Biological limit values table heading information was added.
 Section 8: BLV information was added.
 Section 9: Flammability (solid, gas) information information was added.
 Section 11: Respiratory Sensitization text information was added.
 Section 11: Skin Sensitization table - Name heading information was added.
 Section 11: Skin Sensitization table - Species heading information was added.
 Section 11: Skin Sensitization table - Value heading information was added.
 Section 11: Serious Eye Damage/Irritation table - Name heading information was added.
 Section 11: Serious Eye Damage/Irritation table - Species heading information was added.
 Section 11: Serious Eye Damage/Irritation table - Value heading information was added.
 Section 11: Skin Corrosion/Irritation table - Name heading information was added.
 Section 11: Skin Corrosion/Irritation table - Species heading information was added.
 Section 11: Skin Corrosion/Irritation table - Value heading information was added.
 Section 11: Germ Cell Mutagenicity table - Name heading information was added.
 Section 11: Germ Cell Mutagenicity table - Route heading information was added.
 Section 11: Germ Cell Mutagenicity table - Value heading information was added.
 Section 11: Specific Target Organ Toxicity - repeated exposure table - Name heading information was added.
 Section 11: Specific Target Organ Toxicity - repeated exposure table - Route heading information was added.
 Section 11: Specific Target Organ Toxicity - repeated exposure table - Target Organ(s) heading information was added.
 Section 11: Specific Target Organ Toxicity - repeated exposure table - Value heading information was added.
 Section 11: Specific Target Organ Toxicity - repeated exposure table - Species heading information was added.
 Section 11: Specific Target Organ Toxicity - repeated exposure table - Test Result heading information was added.
 Section 11: Specific Target Organ Toxicity - repeated exposure table - Exposure Duration heading information was added.
 Section 11: Specific Target Organ Toxicity - single exposure text information was added.
 Section 11: Reproductive and/or Developmental Effects table - Name heading information was added.
 Section 11: Reproductive and/or Developmental Effects table - Route heading information was added.
 Section 11: Reproductive and/or Developmental Effects table - Value heading information was added.
 Section 11: Reproductive and/or Developmental Effects table - Species heading information was added.
 Section 11: Reproductive and/or Developmental Effects table - Test Result heading information was added.
 Section 11: Reproductive and/or Developmental Effects text information was added.
 Section 11: Carcinogenicity table - Name heading information was added.
 Section 11: Carcinogenicity table - Route heading information was added.
 Section 11: Carcinogenicity table - Species heading information was added.
 Section 11: Carcinogenicity table - Value heading information was added.
 Section 7: Handling heading information was deleted.
 Company Logo information was deleted.
 Section 3: Potential effects from eye contact heading information was deleted.
 Section 3: Potential effects from skin contact heading information was deleted.
 Section 3: Potential effects from inhalation heading information was deleted.
 Section 3: Potential effects from ingestion heading information was deleted.

Section 4: First aid for eye contact - decontamination - information was deleted.
Section 4: First aid for eye contact - medical assistance - information was deleted.
Section 5: Extinguishing media information information was deleted.
Section 7: Storage heading information was deleted.
Section 8: Engineering controls information information was deleted.
Section 8: Prevention of swallowing information information was deleted.
Section 10: Hazardous decomposition or by-products table information was deleted.
Section 13: Waste disposal method heading information was deleted.
Section 13: Waste disposal method information information was deleted.
Section 4: First aid for skin contact - decontamination - information was deleted.
Section 4: First aid for skin contact - medical assistance - information was deleted.
Section 4: First aid for inhalation - termination of exposure - information was deleted.
Section 4: First aid for inhalation - medical assistance - information was deleted.
Section 4: First aid for ingestion (swallowing) - decontamination - information was deleted.
Section 4: First aid for ingestion (swallowing) - intervention - information was deleted.
Section 4: First aid for ingestion (swallowing) - medical assistance - information was deleted.
Risk phrase information was deleted.
Section 8: Eye/face protection text information was deleted.
Section 6: Release measures note information was deleted.
Section 3: Ingredient phrase information was deleted.
Section 3: Other potential health effects information was deleted.
First Aid text information was deleted.
Section 2 Risk phrases heading information was deleted.
Section 5: Unsuitable extinguishing media heading information was deleted.
Section 8: Hand Protection heading information was deleted.
Section 8: Environmental exposure controls no data available text information was deleted.
Section 8: Exposure controls heading information was deleted.
Section 8: 8.2.3. Environmental exposure controls heading information was deleted.
Section 9: Important health safety and environmental information heading information was deleted.
Section 10.1 Conditions to avoid heading information was deleted.
Section 10.2 Materials to avoid heading information was deleted.
Section 10: Hazardous decomposition products heading information was deleted.
Section 2: Contains heading information was deleted.
Section 2: Safety phrases heading information was deleted.
Section 16: Restrictions on use information information was deleted.
Section 2: Risk phrase information information was deleted.
Section 16: Restrictions on use heading information was deleted.
Section 7: Handling information information was deleted.
Section 7: Storage information information was deleted.
Section 8: Prevention of swallowing heading information was deleted.
Section 8: Eye/face protection information information was deleted.
Section 8: Respiratory protection information information was deleted.
Section 8: Skin protection information information was deleted.
Section 5: Unusual fire and explosion hazard information information was deleted.
Section 5: Fire fighting procedures information information was deleted.
Section 2: Risk phrases heading information was deleted.
Section 2: Symbols heading information was deleted.
Section 15: Symbol information information was deleted.
Section 15: Symbol information information was deleted.
Section 8: Skin protection - recommended gloves information information was deleted.
Section 2: Label ingredient information information was deleted.
Section 11: Potential effects from eye contact information information was deleted.
Section 11: Potential respiratory effects information information was deleted.
Section 11: Potential effects from ingestion information information was deleted.
Section 11: Potential effects from skin contact information information was deleted.
Section 12: No data available information information was deleted.

Section 12: Environmental risk information information was deleted.
Section 6: Personal precautions information information was deleted.
Section 6: Environmental procedures information information was deleted.
Section 6: Methods for cleaning up information information was deleted.
Section 8: Hand protection information information was deleted.
Section 2: Other hazards heading information was deleted.
Reference to R phrase explanation in Section 16 information was deleted.
Section 2: Label remarks information was deleted.
Prints No Data if Component ecotoxicity information is not present information was deleted.
Prints No Data if Persistence and Degradability information is not present information was deleted.
Prints No Data if Bioaccumulative potential information is not present information was deleted.

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 United Kingdom MSDSs are available at www.3M.com/uk