Safety Data Sheet

Document group:	38-8795-7	**Version number:**	2.00
Revision date:	20/10/2020	**Supersedes date:**	26/09/2019

Transportation version number: 1.01 (26/09/2019)

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(tm) Scotch-Weld(tm) Structural Void Filling Compound EC-3460 HT/FST

Product Identification Numbers

UU-0096-2155-6 UU-0096-3053-2

7100176243 7100176150

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

Identified uses

Industrial use.

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

Industrial

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.

CLASSIFICATION:

Serious Eye Damage/Eye Irritation, Category 1 - Eye Dam. 1; H318
Respiratory Sensitization, Category 1 - Resp. Sens. 1; H334
Skin Sensitization, Category 1A - Skin Sens. 1A; H317
Reproductive Toxicity, Category 2 - Repr. 2; H361
Hazardous to the Aquatic Environment (Chronic), Category 2 - Aquatic Chronic 2; H411

For full text of H phrases, see Section 16.

2.2. Label elements
CLP REGULATION (EC) No 1272/2008

SIGNAL WORD
DANGER.

Symbols:
GHS05 (Corrosion) | GHS08 (Health Hazard) |GHS09 (Environment) |

Pictograms

Ingredients:

Ingredient	CAS Nbr	EC No.	% by Wt
cyclohexane-1,2-dicarboxylic anhydride	85-42-7	201-604-9	< 30
hexahydromethylphthalic anhydride	25550-51-0	247-094-1	15 - 30
Phenol-formaldehyde polymer, glycidyl ether	28064-14-4		< 25
tetrahydro-4-methylphthalicanhydride	34090-76-1	251-823-9	< 5
Boric acid, zinc salt	1332-07-6	215-566-6	< 5
Boron zinc hydroxide oxide	138265-88-0		< 5
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	216-823-5	1 - 3
Trichloro(N,N-dimethyloctylamine)boron	34762-90-8	252-200-4	0.1 - 0.5
STANNOUS SULFATE	7488-55-3	231-302-2	0.01 - 0.2

HAZARD STATEMENTS:

H318	Causes serious eye damage.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P261B	Avoid breathing dust.
P280B	Wear protective gloves and eye/face protection.

Response:

P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTRE or doctor/physician.

Disposal:

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

Contains 2% of components with unknown hazards to the aquatic environment.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EC No.	REACH Registration No.	% by Wt	Classification
Oxide glass chemicals	65997-17-3	266-046-0		10 - 30	Substance with an occupational exposure limit
cyclohexane-1,2-dicarboxylic anhydride	85-42-7	201-604-9	01-2119486666-21	< 30	Eye Dam. 1, H318; Resp. Sens. 1, H334; Skin Sens. 1A, H317 - Nota C
hexahydromethylphthalic anhydride	25550-51-0	247-094-1	01-2119845474-33	15 - 30	Eye Dam. 1, H318; Resp. Sens. 1, H334; Skin Sens. 1, H317 - Nota C
Phenol-formaldehyde polymer, glycidyl ether	28064-14-4			< 25	Skin Sens. 1, H317; Aquatic Chronic 2, H411
Aluminium hydroxide	21645-51-2	244-492-7		15 - 20	Substance with an occupational exposure limit
Boric acid, zinc salt	1332-07-6	215-566-6		< 5	Eye Irrit. 2, H319; Repr. 2, H361df; Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1
tetrahydro-4-methylphthalicanhydride	34090-76-1	251-823-9		< 5	Eye Dam. 1, H318; Resp. Sens. 1, H334; Skin Sens. 1, H317 - Nota C
Boron zinc hydroxide oxide	138265-88-0		01-2119691658-19	< 5	Eye Irrit. 2, H319; Repr. 2, H361df; Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1
red phosphorus	7723-14-0	918-594-3		1 - 3	Flam. Sol. 1, H228 Aquatic Chronic 3, H412
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	216-823-5		1 - 3	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Aquatic Chronic 2, H411
Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7			1 - 2	Substance with an occupational exposure limit
Trichloro(N,N-dimethyloctylamine)boron	34762-90-8	252-200-4		0.1 - 0.5	Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1 Skin Sens. 1B, H317; Repr. 2, H361df

STANNOUS SULFATE	7488-55-3	231-302-2		0.01 - 0.2	Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1

Note: Any entry in the EC# column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance.
Please see section 16 for the full text of any H statements referred to in this section

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Remove person to fresh air. If you feel unwell, get medical attention.

Skin contact
Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye contact
Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately 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	Condition
Aldehydes.	During combustion.
Carbon monoxide	During combustion.
Carbon dioxide.	During combustion.
Hydrogen Chloride	During combustion.

5.3. Advice for fire-fighters
When fire fighting conditions are severe and total thermal decomposition of the product is possible, wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus,tunic and trousers

(leggings),bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid skin contact with hot material. Avoid breathing of dust created by cutting, sanding, grinding or machining. For industrial/occupational use only. Not for consumer sale or use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (eg. gloves, respirators…) as required.

7.2. Conditions for safe storage including any incompatibilities
Store away from heat. Store away from oxidising agents. Store away from amines.

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
DUST, INERT OR NUISANCE	21645-51-2	UK HSC	TWA(as respirable dust):4 mg/m3;TWA(as inhalable dust):10 mg/m3	
Glass, oxide, chemicals	65997-17-3	UK HSC	TWA(as fiber):5 mg/m3(0.3 fibers/ml)	
Oxide glass chemicals	65997-17-3	Manufacturer determined	TWA(as non-fibrous, respirable)(8 hours):3 mg/m3;TWA(as non-fibrous, inhalable fraction)(8 hours):10 mg/m3	

Silicon dioxide	67762-90-7	UK HSC	TWA(as respirable dust):2.4 mg/m3;TWA(as inhalable dust):6 mg/m3
TIN, INORGANIC COMPOUNDS, EXCEPT SnH4	7488-55-3	UK HSC	TWA(as Sn):2 mg/m3;STEL(as Sn):4 mg/m3
red phosphorus	7723-14-0	UK HSC	TWA: 0.1 mg/m³; STEL: 0.3 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.

Recommended monitoring procedures: Information on recommended monitoring procedures can be obtained from UK HSC

8.2. Exposure controls

8.2.1. Engineering controls
Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

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:
Full face shield.
Indirect vented goggles.

Applicable Norms/Standards
Use eye/face protection conforming to EN 166

Skin/hand protection
Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.
Gloves made from the following material(s) are recommended:

Material	Thickness (mm)	Breakthrough Time
Polymer laminate	>.3	> 8 hours

The glove data presented are based on the substance driving dermal toxicity and the conditions present at the time of testing. Breakthrough time may be altered when the glove is subjected to use conditions that place additional stress on the glove.

Applicable Norms/Standards
Use gloves tested to EN 374

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

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

Thermal hazards
Wear heat insulating gloves when handling hot material to prevent thermal burns.

Applicable Norms/Standards
Use gloves tested to EN 407

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Solid.
Colour	Brown
Specific Physical Form:	Paste
Odor	Low Odor
Odour threshold	*No data available.*
pH	*No data available.*
Boiling point/boiling range	*No data available.*
Melting point	*No data available.*
Flammability (solid, gas)	Not classified
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	>=150 ºC
Autoignition temperature	*No data available.*
Flammable Limits(LEL)	*Not applicable.*
Flammable Limits(UEL)	*Not applicable.*
Vapour pressure	*Not applicable.*
Relative density	0.7 - 0.78
Water solubility	*Not applicable.*
Solubility- non-water	*No data available.*
Partition coefficient: n-octanol/water	*No data available.*
Evaporation rate	*Not applicable.*
Vapour density	*Not applicable.*
Decomposition temperature	*No data available.*
Viscosity	*No data available.*
Density	0.7 - 0.78 g/ml

9.2. Other information

EU Volatile Organic Compounds	*No data available.*

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability
Stable.

10.3 Possibility of hazardous reactions
Hazardous polymerisation will not occur.

10.4 Conditions to avoid
Heat.

10.5 Incompatible materials
Amines.
Strong oxidising agents.

10.6 Hazardous decomposition products

Substance	Condition
None known.	

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from internal hazard assessments.

11.1 Information on 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
May be harmful if inhaled. Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Allergic respiratory reaction: Signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest. Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat pain.

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

Eye contact
Corrosive (eye burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision. Dust created by cutting, grinding, sanding, or machining may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion
Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause additional health effects (see below).

Additional Health Effects:

Reproductive/Developmental Toxicity:
Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

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	Inhalation-Dust/Mist(4 hr)		No data available; calculated ATE5 - 12.5 mg/l
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
hexahydromethylphthalic anhydride	Dermal		estimated to be > 5,000 mg/kg
hexahydromethylphthalic anhydride	Inhalation-Dust/Mist		estimated to be > 12.5 mg/l
hexahydromethylphthalic anhydride	Ingestion		estimated to be > 5,000 mg/kg
cyclohexane-1,2-dicarboxylic anhydride	Dermal	Rabbit	LD50 > 2,000 mg/kg
cyclohexane-1,2-dicarboxylic anhydride	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 1.1 mg/l
cyclohexane-1,2-dicarboxylic anhydride	Ingestion	Rat	LD50 2,700 mg/kg
Phenol-formaldehyde polymer, glycidyl ether	Dermal	Rabbit	LD50 > 6,000 mg/kg
Phenol-formaldehyde polymer, glycidyl ether	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 1.7 mg/l
Phenol-formaldehyde polymer, glycidyl ether	Ingestion	Rat	LD50 > 4,000 mg/kg
Oxide glass chemicals	Dermal		LD50 estimated to be > 5,000 mg/kg
Oxide glass chemicals	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
Aluminium hydroxide	Dermal		LD50 estimated to be > 5,000 mg/kg
Aluminium hydroxide	Ingestion	Rat	LD50 > 5,000 mg/kg
tetrahydro-4-methylphthalicanhydride	Dermal		estimated to be > 5,000 mg/kg
tetrahydro-4-methylphthalicanhydride	Inhalation-Dust/Mist		estimated to be > 12.5 mg/l
tetrahydro-4-methylphthalicanhydride	Ingestion		estimated to be > 5,000 mg/kg
Boric acid, zinc salt	Dermal	Rabbit	LD50 > 5,000 mg/kg
Boron zinc hydroxide oxide	Dermal	Rabbit	LD50 > 5,000 mg/kg
Boric acid, zinc salt	Inhalation-Dust/Mist	Rat	LC50 > 4.95 mg/l
Boric acid, zinc salt	Ingestion	Rat	LD50 > 5,000 mg/kg
Boron zinc hydroxide oxide	Inhalation-Dust/Mist	Rat	LC50 > 4.95 mg/l
Boron zinc hydroxide oxide	Ingestion	Rat	LD50 > 5,000 mg/kg
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Dermal	Rat	LD50 > 1,600 mg/kg
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Ingestion	Rat	LD50 > 1,000 mg/kg
red phosphorus	Dermal		LD50 estimated to be > 5,000 mg/kg
red phosphorus	Inhalation-Dust/Mist (4 hours)	Rat	LC50 1.1 mg/l
red phosphorus	Ingestion	Rat	LD50 > 15,000 mg/kg
Siloxanes and Silicones, di-Me, reaction products with silica	Dermal	Rabbit	LD50 > 5,000 mg/kg
Siloxanes and Silicones, di-Me, reaction products with silica	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Siloxanes and Silicones, di-Me, reaction products with silica	Ingestion	Rat	LD50 > 5,110 mg/kg
Trichloro(N,N-dimethyloctylamine)boron	Dermal	Rat	LD50 > 2,870 mg/kg
Trichloro(N,N-dimethyloctylamine)boron	Ingestion	Rat	LD50 > 5,000 mg/kg
STANNOUS SULFATE	Inhalation-Dust/Mist	Rat	LC50 2 mg/l

	(4 hours)		
STANNOUS SULFATE	Ingestion	Rat	LD50 2,207 mg/kg
STANNOUS SULFATE	Dermal	similar health hazards	LD50 estimated to be 2,000 - 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
cyclohexane-1,2-dicarboxylic anhydride	Rabbit	Minimal irritation
Phenol-formaldehyde polymer, glycidyl ether	Rabbit	Minimal irritation
Oxide glass chemicals	Professional judgement	No significant irritation
Aluminium hydroxide	Rabbit	No significant irritation
Boric acid, zinc salt	Rabbit	No significant irritation
Boron zinc hydroxide oxide	Rabbit	No significant irritation
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Rabbit	Mild irritant
Siloxanes and Silicones, di-Me, reaction products with silica	Rabbit	No significant irritation
Trichloro(N,N-dimethyloctylamine)boron	Rabbit	No significant irritation
STANNOUS SULFATE	Professional judgement	Irritant

Serious Eye Damage/Irritation

Name	Species	Value
cyclohexane-1,2-dicarboxylic anhydride	Rabbit	Corrosive
Phenol-formaldehyde polymer, glycidyl ether	Rabbit	Mild irritant
Oxide glass chemicals	Professional judgement	No significant irritation
Aluminium hydroxide	Rabbit	No significant irritation
Boric acid, zinc salt	Rabbit	Severe irritant
Boron zinc hydroxide oxide	Rabbit	Severe irritant
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Rabbit	Moderate irritant
Siloxanes and Silicones, di-Me, reaction products with silica	Rabbit	No significant irritation
Trichloro(N,N-dimethyloctylamine)boron	Rabbit	No significant irritation
STANNOUS SULFATE	Professional judgement	Corrosive

Skin Sensitisation

Name	Species	Value
cyclohexane-1,2-dicarboxylic anhydride	Guinea pig	Sensitising
Phenol-formaldehyde polymer, glycidyl ether	Human and animal	Sensitising
Aluminium hydroxide	Guinea pig	Not classified
Boric acid, zinc salt	Guinea pig	Not classified
Boron zinc hydroxide oxide	Guinea pig	Not classified
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Human and animal	Sensitising

Siloxanes and Silicones, di-Me, reaction products with silica	Human and animal	Not classified
Trichloro(N,N-dimethyloctylamine)boron	Mouse	Sensitising
STANNOUS SULFATE	Human	Sensitising

Respiratory Sensitisation

Name	Species	Value
cyclohexane-1,2-dicarboxylic anhydride	Human	Sensitising
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Human	Not classified

Germ Cell Mutagenicity

Name	Route	Value
cyclohexane-1,2-dicarboxylic anhydride	In Vitro	Not mutagenic
Phenol-formaldehyde polymer, glycidyl ether	In Vitro	Some positive data exist, but the data are not sufficient for classification
Oxide glass chemicals	In Vitro	Some positive data exist, but the data are not sufficient for classification
Boric acid, zinc salt	In Vitro	Some positive data exist, but the data are not sufficient for classification
Boron zinc hydroxide oxide	In Vitro	Some positive data exist, but the data are not sufficient for classification
bis-[4-(2,3-epoxipropoxi)phenyl]propane	In vivo	Not mutagenic
bis-[4-(2,3-epoxipropoxi)phenyl]propane	In Vitro	Some positive data exist, but the data are not sufficient for classification
Siloxanes and Silicones, di-Me, reaction products with silica	In Vitro	Not mutagenic
Trichloro(N,N-dimethyloctylamine)boron	In Vitro	Not mutagenic
STANNOUS SULFATE	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Oxide glass chemicals	Inhalation	Multiple animal species	Some positive data exist, but the data are not sufficient for classification
Aluminium hydroxide	Not specified.	Multiple animal species	Not carcinogenic
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
Siloxanes and Silicones, di-Me, reaction products 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
Aluminium hydroxide	Ingestion	Not classified for development	Rat	NOAEL 768 mg/kg/day	during organogenesis
Boric acid, zinc salt	Ingestion	Toxic to male reproduction	Rat	NOAEL 100 mg/kg/day	92 days
Boric acid, zinc salt	Ingestion	Toxic to development	Rat	LOAEL 100 mg/kg/day	during gestation
Boron zinc hydroxide oxide	Ingestion	Toxic to male reproduction	Rat	NOAEL 100 mg/kg/day	92 days
Boron zinc hydroxide oxide	Ingestion	Toxic to development	Rat	LOAEL 100 mg/kg/day	during gestation
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Ingestion	Not classified for female reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Ingestion	Not classified for male reproduction	Rat	NOAEL 750	2 generation

				mg/kg/day	
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Dermal	Not classified for development	Rabbit	NOAEL 300 mg/kg/day	during organogenesis
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Ingestion	Not classified for development	Rat	NOAEL 750 mg/kg/day	2 generation
Siloxanes and Silicones, di-Me, reaction products with silica	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Siloxanes and Silicones, di-Me, reaction products with silica	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
Siloxanes and Silicones, di-Me, reaction products with silica	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis
Trichloro(N,N-dimethyloctylamine)boron	Ingestion	Toxic to female reproduction	Rat	NOAEL 300 mg/kg/day	premating into lactation
Trichloro(N,N-dimethyloctylamine)boron	Ingestion	Toxic to male reproduction	Rat	NOAEL 300 mg/kg/day	43 days
Trichloro(N,N-dimethyloctylamine)boron	Ingestion	Toxic to development	Rat	NOAEL 300 mg/kg/day	premating into lactation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
cyclohexane-1,2-dicarboxylic anhydride	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	occupational exposure
Boric acid, zinc salt	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Boron zinc hydroxide oxide	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
STANNOUS SULFATE	Inhalation	respiratory irritation	May cause respiratory irritation	Professional judgement	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Oxide glass chemicals	Inhalation	respiratory system	Not classified	Human	NOAEL not available	occupational exposure
Boric acid, zinc salt	Inhalation	immune system | respiratory system | heart | endocrine system | hematopoietic system | liver | nervous system | kidney and/or bladder	Not classified	Rat	NOAEL 0.15 mg/l	2 weeks
Boric acid, zinc salt	Ingestion	endocrine system | liver | kidney and/or bladder | heart | skin | bone, teeth, nails, and/or hair | hematopoietic system | immune system | nervous system | eyes | respiratory system | vascular system	Not classified	Rat	NOAEL 375 mg/kg/day	92 days
Boron zinc hydroxide oxide	Inhalation	immune system | respiratory system | heart | endocrine	Not classified	Rat	NOAEL 0.15 mg/l	2 weeks

		system | hematopoietic system | liver | nervous system | kidney and/or bladder				
Boron zinc hydroxide oxide	Ingestion	endocrine system | liver | kidney and/or bladder | heart | skin | bone, teeth, nails, and/or hair | hematopoietic system | immune system | nervous system | eyes | respiratory system | vascular system	Not classified	Rat	NOAEL 375 mg/kg/day	92 days
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Dermal	liver	Not classified	Rat	NOAEL 1,000 mg/kg/day	2 years
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Dermal	nervous system	Not classified	Rat	NOAEL 1,000 mg/kg/day	13 weeks
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Ingestion	auditory system | heart | endocrine system | hematopoietic system | liver | eyes | kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Siloxanes and Silicones, di-Me, reaction products with silica	Inhalation	respiratory system | silicosis	Not classified	Human	NOAEL Not available	occupational exposure
Trichloro(N,N-dimethyloctylamine)boron	Ingestion	endocrine system | liver | heart | skin | gastrointestinal tract | bone, teeth, nails, and/or hair | hematopoietic system | immune system | muscles | nervous system | eyes | kidney and/or bladder | respiratory system | vascular system	Not classified	Rat	NOAEL 1,000 mg/kg/day	43 days
STANNOUS SULFATE	Ingestion	hematopoietic system | liver | heart | kidney and/or bladder	Not classified	Rat	NOAEL 40 mg/kg/day	4 weeks

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

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

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

12.1. Toxicity

No product test data available.

Material	CAS #	Organism	Type	Exposure	Test endpoint	Test result
cyclohexane-1,2-dicarboxylic anhydride	85-42-7	Green algae	Experimental	72 hours	EC50	>100 mg/l
cyclohexane-1,2-dicarboxylic anhydride	85-42-7	Water flea	Experimental	48 hours	EC50	>100 mg/l
cyclohexane-1,2-dicarboxylic anhydride	85-42-7	Zebra Fish	Experimental	96 hours	LC50	>1,000 mg/l
cyclohexane-1,2-dicarboxylic anhydride	85-42-7	Green algae	Experimental	72 hours	NOEC	100 mg/l
hexahydromethylphthalic anhydride	25550-51-0	Green algae	Estimated	72 hours	EC50	135 mg/l
hexahydromethylphthalic anhydride	25550-51-0	Rainbow trout	Estimated	96 hours	LC50	>100 mg/l
hexahydromethylphthalic anhydride	25550-51-0	Water flea	Estimated	48 hours	EC50	>100 mg/l
hexahydromethylphthalic anhydride	25550-51-0	Green algae	Estimated	72 hours	NOEC	32 mg/l
Oxide glass chemicals	65997-17-3	Green algae	Experimental	72 hours	EC50	>1,000 mg/l
Oxide glass chemicals	65997-17-3	Water flea	Experimental	72 hours	EC50	>1,000 mg/l
Oxide glass chemicals	65997-17-3	Zebra Fish	Experimental	96 hours	LC50	>1,000 mg/l
Oxide glass chemicals	65997-17-3	Green algae	Experimental	72 hours	NOEC	>=1,000 mg/l
Phenol-formaldehyde polymer, glycidyl ether	28064-14-4	Golden Orfe	Experimental	96 hours	LC50	5.7 mg/l
Phenol-formaldehyde polymer, glycidyl ether	28064-14-4	Water flea	Experimental	48 hours	EC50	3.5 mg/l
Aluminium hydroxide	21645-51-2	Fish other	Experimental	96 hours	No tox obs at lmt of water sol	>100 mg/l
Aluminium hydroxide	21645-51-2	Green Algae	Experimental	72 hours	No tox obs at lmt of water sol	>100 mg/l
Aluminium hydroxide	21645-51-2	Water flea	Experimental	48 hours	No tox obs at lmt of water sol	>100 mg/l
Aluminium hydroxide	21645-51-2	Green Algae	Experimental	72 hours	No tox obs at lmt of water sol	100 mg/l
tetrahydro-4-methylphthalicanhydride	34090-76-1	Green Algae	Estimated	72 hours	EC50	68 mg/l
tetrahydro-4-methylphthalicanhydride	34090-76-1	Ricefish	Estimated	96 hours	LC50	>100 mg/l
tetrahydro-4-methylphthalicanhydride	34090-76-1	Water flea	Estimated	48 hours	EC50	130 mg/l
tetrahydro-4-methylphthalicanhydride	34090-76-1	Green Algae	Estimated	72 hours	NOEC	27.5 mg/l
tetrahydro-4-methylphthalicanhydride	34090-76-1	Water flea	Estimated	21 days	NOEC	20 mg/l
Boric acid, zinc salt	1332-07-6	Green Algae	Estimated	72 hours	IC50	0.26 mg/l
Boric acid, zinc salt	1332-07-6	Rainbow trout	Estimated	96 hours	LC50	0.32 mg/l
Boric acid, zinc salt	1332-07-6	Water flea	Estimated	48 hours	EC50	0.19 mg/l
Boric acid, zinc salt	1332-07-6	Crustacea other	Estimated	24 days	NOEC	0.011 mg/l
Boric acid, zinc salt	1332-07-6	Green Algae	Estimated	72 hours	NOEC	0.011 mg/l

Boric acid, zinc salt	1332-07-6	Rainbow trout	Estimated	25 days	NOEC	0.048 mg/l
Boric acid, zinc salt	1332-07-6	Water flea	Estimated	21 days	NOEC	0.07 mg/l
Boron zinc hydroxide oxide	138265-88-0	Green Algae	Estimated	72 hours	IC50	0.45 mg/l
Boron zinc hydroxide oxide	138265-88-0	Rainbow trout	Estimated	96 hours	LC50	0.56 mg/l
Boron zinc hydroxide oxide	138265-88-0	Water flea	Estimated	48 hours	EC50	0.33 mg/l
Boron zinc hydroxide oxide	138265-88-0	Crustacea other	Estimated	24 days	NOEC	0.02 mg/l
Boron zinc hydroxide oxide	138265-88-0	Green Algae	Estimated	72 hours	NOEC	0.02 mg/l
Boron zinc hydroxide oxide	138265-88-0	Rainbow trout	Estimated	25 days	NOEC	0.08 mg/l
Boron zinc hydroxide oxide	138265-88-0	Water flea	Estimated	21 days	NOEC	0.12 mg/l
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	Rainbow trout	Estimated	96 hours	LC50	2 mg/l
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	Water flea	Estimated	48 hours	EC50	1.8 mg/l
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	Green Algae	Experimental	72 hours	EC50	>11 mg/l
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	Green Algae	Experimental	72 hours	NOEC	4.2 mg/l
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	Water flea	Experimental	21 days	NOEC	0.3 mg/l
red phosphorus	7723-14-0	Green algae	Experimental	72 hours	Effect Level 50%	18.3 mg/l
red phosphorus	7723-14-0	Water flea	Experimental	48 hours	Effect Level 50%	10.5 mg/l
red phosphorus	7723-14-0	Zebra Fish	Experimental	96 hours	Effect Level 50%	2.5 mg/l
red phosphorus	7723-14-0	Green algae	Experimental	72 hours	Effect Level 10%	6.6 mg/l
Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7		Data not available or insufficient for classification			
Trichloro(N,N-dimethyloctylamine)boron	34762-90-8	Common Carp	Experimental	96 hours	LC50	>100 mg/l
Trichloro(N,N-dimethyloctylamine)boron	34762-90-8	Green algae	Experimental	72 hours	EC50	0.13 mg/l
Trichloro(N,N-dimethyloctylamine)boron	34762-90-8	Water flea	Experimental	48 hours	EC50	>0.75 mg/l
Trichloro(N,N-dimethyloctylamine)boron	34762-90-8	Green algae	Experimental	72 hours	NOEC	0.022 mg/l
STANNOUS SULFATE	7488-55-3	Diatom	Laboratory	72 hours	EC50	0.2 mg/l
STANNOUS SULFATE	7488-55-3	Water flea	Laboratory	48 hours	EC50	39.08 mg/l
STANNOUS SULFATE	7488-55-3	Zebra Fish	Laboratory	120 hours	NOEC	9.48 mg/l

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol

cyclohexane-1,2-dicarboxylic anhydride	85-42-7	Experimental Hydrolysis		Hydrolytic half-life	<5 minutes (t 1/2)	Other methods
cyclohexane-1,2-dicarboxylic anhydride	85-42-7	Experimental Biodegradation	28 days	Dissolv. Organic Carbon Deplet	98 %removal of DOC	Other methods
hexahydromethylphthalic anhydride	25550-51-0	Estimated Hydrolysis		Hydrolytic half-life	1.9 minutes (t 1/2)	Other methods
hexahydromethylphthalic anhydride	25550-51-0	Estimated Biodegradation	28 days	BOD	2 % BOD/ThBOD	OECD 301F - Manometric respirometry
Oxide glass chemicals	65997-17-3	Data not availbl-insufficient			N/A	
Phenol-formaldehyde polymer, glycidyl ether	28064-14-4	Laboratory Biodegradation	28 days	CO2 evolution	10-16 %CO2 evolution/THCO2 evolution (does not pass 10-day window)	OECD 301B - Modified sturm or CO2
Aluminium hydroxide	21645-51-2	Data not availbl-insufficient			N/A	
tetrahydro-4-methylphthalicanhydride	34090-76-1	Estimated Hydrolysis		Hydrolytic half-life	3.2 minutes (t 1/2)	Other methods
tetrahydro-4-methylphthalicanhydride	34090-76-1	Estimated Biodegradation	28 days	BOD	65 % BOD/ThBOD	OECD 301C - MITI test (I)
Boric acid, zinc salt	1332-07-6	Data not availbl-insufficient			N/A	
Boron zinc hydroxide oxide	138265-88-0	Data not availbl-insufficient			N/A	
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	Experimental Hydrolysis		Hydrolytic half-life	117 hours (t 1/2)	Other methods
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	Experimental Biodegradation	28 days	BOD	5 %BOD/COD	OECD 301F - Manometric respirometry
red phosphorus	7723-14-0	Experimental Hydrolysis		Hydrolytic half-life	8.3 years (t 1/2)	Other methods
Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Data not availbl-insufficient			N/A	
Trichloro(N,N-dimethyloctylamine)boron	34762-90-8	Experimental Biodegradation	28 days	CO2 evolution	≤25 % weight	OECD 301B - Modified sturm or CO2
STANNOUS SULFATE	7488-55-3	Data not availbl-insufficient			N/A	

12.3 : Bioaccumulative potential

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
cyclohexane-1,2-dicarboxylic anhydride	85-42-7	Estimated BCF-Carp	42 days	Bioaccumulation factor	≤2	OECD 305E - Bioaccumulation flow-through fish test
hexahydromethylphthalic anhydride	25550-51-0	Estimated Bioconcentration		Log Kow	2.09	Other methods
Oxide glass chemicals	65997-17-3	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Phenol-formaldehyde polymer, glycidyl ether	28064-14-4	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Aluminium hydroxide	21645-51-2	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
tetrahydro-4-methylphthalicanhydride	34090-76-1	Estimated Bioconcentration		Bioaccumulation factor	4.8	Estimated: Bioconcentration factor
Boric acid, zinc salt	1332-07-6	Estimated BCF-Carp	56 days	Bioaccumulation factor	242	OECD 305E - Bioaccumulation flow-through fish test
Boron zinc hydroxide oxide	138265-88-0	Estimated BCF-Carp	56 days	Bioaccumulation factor	242	OECD 305E - Bioaccumulation flow-through fish test

bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	Experimental Bioconcentration		Log Kow	3.242	Other methods
red phosphorus	7723-14-0	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Trichloro(N,N-dimethyloctylamine)boron	34762-90-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
STANNOUS SULFATE	7488-55-3	Estimated BCF - Other	1 days	Bioaccumulation factor	3000	Other methods

12.4. Mobility in soil
Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

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

12.6. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

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)
08 04 09* Waste adhesives and sealants containing organic solvents or other dangerous substances

SECTION 14: Transportation information

UU-0096-2155-6, UU-0096-3053-2

Component 1
ADR/RID: UN3077, NOT RESTRICTED AS PER SPECIAL PROVISION 375, ENVIRONMENTALLY HAZARDOUS SUBSTANCE EXEMPTION, (ZINC BORATE), III, --.
IMDG-CODE: UN3077, NOT RESTRICTED AS PER IMDG CODE 2.10.2.7, MARINE POLLUTANT EXCEPTION, (ZINC BORATE), III, IMDG-Code segregation code: NONE, EMS: --.
ICAO/IATA: UN3077, NOT RESTRICTED AS PER SPECIAL PROVISION A197, ENVIRONMENTALLY HAZARDOUS SUBSTANCE EXCEPTION, (ZINC BORATE), III.

Component 2
ADR/RID: UN1845, CARBON DIOXID, SOLID, AS COOLANT, --.
IMDG-CODE: UN1845, CARBON DIOXIDE, SOLID, (DRY ICE), AS COOLANT(FORBIDDEN FOR SEA EXCEPT FOR SHORT EUROPEAN FERRYCROSSINGS), 9., IMDG-Code segregation code: NONE, longer distance allowed in Reefer Container, EMS: FC,SV.
ICAO/IATA: UN1845, CARBON DIOXIDE, SOLID, 9..

SECTION 15: Regulatory information

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

Carcinogenicity

Ingredient	CAS Nbr	Classification	Regulation
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	Gr. 3: Not classifiable	International Agency for Research on Cancer

Authorization status under REACH:
The following substance/s contained in this product might be or is/are subject to authorization in accordance with REACH:

Ingredient	CAS Nbr
cyclohexane-1,2-dicarboxylic anhydride	85-42-7
hexahydromethylphthalic anhydride	25550-51-0

Authorization status: listed in the Candidate List of Substances of Very High Concern for Authorization

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

SECTION 16: Other information

List of relevant H statements

H228	Flammable solid.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H361df	Suspected of damaging fertility. Suspected of damaging the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Revision information:
CLP: Ingredient table information was modified.
Label: CLP Classification information was modified.
Label: CLP Environmental Hazard Statements information was modified.

Label: CLP Percent Unknown information was modified.
Section 3: Composition/ Information of ingredients table information was modified.
Section 5: Hazardous combustion products table information was modified.
Section 8: Occupational exposure limit table information was modified.
Section 8: Personal Protection - Skin/hand information information was modified.
Section 9: Solubility in water text information was added.
Section 9: Solubility in water value information was deleted.
Section 11: Acute Toxicity table information was modified.
Section 11: Carcinogenicity Table information was modified.
Section 11: Classification disclaimer information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Section 11: Reproductive Hazards information information was deleted.
Section 11: Reproductive Toxicity Table information was modified.
Section 11: Reproductive/developmental effects information information was added.
Section 11: Respiratory Sensitization Table information was modified.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Skin Corrosion/Irritation Table information was modified.
Section 11: Skin Sensitization Table information was modified.
Section 11: Target Organs - Repeated Table information was modified.
Section 11: Target Organs - Single Table information was modified.
Section 12: Component ecotoxicity information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12:Bioccumulative potential information information was modified.
Section 15: Authorization status under REACH: SVHC Authorization ingredient information information was modified.
Section 15: Carcinogenicity information information was modified.
Sectio 16: UK disclaimer 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. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into the European Union, you are responsible for all regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration.

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