



Safety Data Sheet

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

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

1.1. Product identifier

3M Scotchkote Urethane Coating 165HB, Light Grey (Part A)

Product identification numbers

GR-2001-0400-2 GR-2001-0401-0

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

Identified uses

Coating. Not for potable water applications.

1.3. Details of the supplier of the substance or mixture

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.

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

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

Indication of danger

Dangerous for the environment; R52/53

For full text of R phrases, see Section 16.

2.2. Label elements

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

Symbol(s)

3M Scotchkote Urethane Coating 165HB, Light Grey (Part A)

None.

Contains:

No ingredients are assigned to the label.

Risk phrases

R52/53 Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety phrases

S23C Do not breathe vapour or spray.

S51 Use only in well ventilated areas.

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Castor oil	8001-79-4	EINECS 232-293-8	40 - 50	
Non-hazardous ingredients	Mixture		25 - 35	
Cyclohexanone-formaldehyde polymer	25054-06-2		10 - 20	
Zeolites	1318-02-1	EINECS 215-283-8	5 - 15	
Titanium dioxide	13463-67-7	EINECS 236-675-5	1 - 5	
Diethylmethylbenzenediamine	68479-98-1	EINECS 270-877-4	<= 1	Xn:R21-22-48/22; Xi:R36; N:R50/53 - Nota C (EU) Acute Tox. 4, H312; Acute Tox. 4, H302; Eye Irrit. 2, H319; STOT RE 2, H373; Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1 - Nota C (CLP)
Quartz	14808-60-7	EINECS 238-878-4	< 1	Xn:R48/20 (Vendor) STOT RE 1, H372 (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.

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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.

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 unusual fire or explosion hazards are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning: A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible.

6.4. Reference to other sections

3M Scotchkote Urethane Coating 165HB, Light Grey (Part A)

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

For industrial or professional use only. Do not handle until all safety precautions have been read and understood. Do not breathe 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. Avoid release to the environment. 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

Keep container tightly closed to prevent contamination with water or air. If contamination is suspected, do not reseal container. Store away from acids. Store away from strong bases. Store away from oxidising agents.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Aluminum oxides	1318-02-1	Health and Safety Comm. (UK)	TWA(as inhalable dust):10 mg/m ³ ;TWA(as respirable dust):4 mg/m ³	
Titanium dioxide	13463-67-7	Health and Safety Comm. (UK)	TWA(Inhalable):10 mg/m ³ ;TWA(respirable):4 mg/m ³	
Silica, crystalline (airborne particles of respirable size)	14808-60-7	Health and Safety Comm. (UK)	TWA(respirable):0.1 mg/m ³	
Limestone	Mixture	Health and Safety Comm. (UK)	TWA(as inhalable dust):10 mg/m ³ ;TWA(as respirable dust):4 mg/m ³ ;TWA(Inhalable):10 mg/m ³ ;TWA(respirable):4 mg/m ³	

Health and Safety Comm. (UK) : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

ppm: parts per million

mg/m³: milligrams per cubic metre

CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls

Curing enclosures must be exhausted to outdoors or to a suitable emission control device. 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)

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Eye/face protection

Wear eye/face protection.

The following eye protection(s) are recommended: Safety glasses with side shields.

Skin/hand protection

Wear protective gloves.

Gloves made from the following material(s) are recommended: Butyl rubber.

Neoprene.

Respiratory protection

In case of inadequate ventilation wear 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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Appearance/Odour	Faint oily odour; Light grey colour
Odour threshold	<i>No data available.</i>
pH	<i>No data available.</i>
Boiling point/boiling range	≥ 300 °C
Melting point	≥ 127 °C
Flammability (solid, gas)	Not applicable.
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	≥ 127 °C [<i>Test Method: Closed Cup</i>]
Autoignition temperature	≥ 365 °C
Flammable Limits(LEL)	<i>Not applicable.</i>
Flammable Limits(UEL)	<i>Not applicable.</i>
Vapour pressure	1,100 Pa [<i>@ 50 °C</i>]
Relative density	1.330 [<i>Ref Std: WATER=1</i>]
Water solubility	Negligible
Solubility- non-water	<i>No data available.</i>
Partition coefficient: n-octanol/water	<i>No data available.</i>
Evaporation rate	<i>No data available.</i>
Vapour density	<i>No data available.</i>
Decomposition temperature	<i>No data available.</i>
Viscosity	<i>No data available.</i>
Density	1.33 g/ml

9.2. Other information

Volatile organic compounds (VOC)	0 g/l [<i>Details: EU Definition (Part A and B mix)</i>]
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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

None known.

10.5 Incompatible materials

Accelerators

Water

Strong oxidising agents.

Strong bases.

Strong acids.

Reaction with water, alcohols, and amines is not hazardous if container can vent to the atmosphere to prevent pressure buildup.

Amines.

10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
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None known.	
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SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

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

Inhalation

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

Skin contact

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

Eye contact

Vapours released during curing may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

3M Scotchkote Urethane Coating 165HB, Light Grey (Part A)**Ingestion**

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause target organ effects after ingestion.

Target Organ Effects:**Prolonged or repeated exposure may cause:**

Liver effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice. Endocrine effects: Signs/symptoms may include disruption of gonadal, thyroid, adrenal, or pancreatic function, changes in hormone production, alterations in circulating hormone levels, and/or changes in tissue response to hormones.

Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

Toxicological Data**Acute Toxicity**

Name	Route	Species	Value
Overall product	Ingestion		Data not available or insufficient for classification; calculated ATE >5,000 mg/kg
Castor oil	Ingestion		LD50 estimated to be > 5,000 mg/kg
Non-hazardous ingredients	Dermal		LD50 estimated to be > 5,000 mg/kg
Non-hazardous ingredients	Ingestion	Rat	LD50 6,450 mg/kg
Cyclohexanone-formaldehyde polymer	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
Cyclohexanone-formaldehyde polymer	Dermal	Rabbit	LD50 > 5,000 mg/kg
Zeolites	Dermal	Rabbit	LD50 > 2,000 mg/kg
Zeolites	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 4.57 mg/l
Zeolites	Ingestion	Rat	LD50 > 5,000 mg/kg
Titanium dioxide	Dermal	Rabbit	LD50 > 10,000 mg/kg
Titanium dioxide	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 6.8 mg/l
Titanium dioxide	Ingestion	Rat	LD50 > 10,000 mg/kg
Diethylmethylbenzenediamine	Dermal	Rabbit	LD50 > 1,000 mg/kg
Diethylmethylbenzenediamine	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.6125 mg/l
Diethylmethylbenzenediamine	Ingestion	Rat	LD50 472 mg/kg
Quartz	Ingestion		LD50 estimated to be > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Castor oil		Minimal irritation
Non-hazardous ingredients		Data not available or insufficient for classification
Cyclohexanone-formaldehyde polymer		Data not available or insufficient for classification
Zeolites		Data not available or insufficient for classification
Titanium dioxide		No significant irritation
Diethylmethylbenzenediamine		No significant irritation
Quartz		No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
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Castor oil		Mild irritant
Non-hazardous ingredients		Data not available or insufficient for classification
Cyclohexanone-formaldehyde polymer		Data not available or insufficient for classification
Zeolites		Data not available or insufficient for classification
Titanium dioxide		Mild irritant
Diethylmethylbenzenediamine		Severe irritant
Quartz		Data not available or insufficient for classification

Skin Sensitisation

Name	Species	Value
Castor oil		Some positive data exist, but the data are not sufficient for classification
Non-hazardous ingredients		Data not available or insufficient for classification
Cyclohexanone-formaldehyde polymer		Data not available or insufficient for classification
Zeolites		Data not available or insufficient for classification
Titanium dioxide		Not sensitizing
Diethylmethylbenzenediamine		Some positive data exist, but the data are not sufficient for classification
Quartz		Data not available or insufficient for classification

Respiratory Sensitisation

Name	Species	Value
Castor oil		Data not available or insufficient for classification
Non-hazardous ingredients		Data not available or insufficient for classification
Cyclohexanone-formaldehyde polymer		Data not available or insufficient for classification
Zeolites		Data not available or insufficient for classification
Titanium dioxide		Data not available or insufficient for classification
Diethylmethylbenzenediamine		Data not available or insufficient for classification
Quartz		Data not available or insufficient for classification

Germ Cell Mutagenicity

Name	Route	Value
Castor oil	In Vitro	Not mutagenic
Castor oil	In vivo	Not mutagenic
Non-hazardous ingredients		Data not available or insufficient for classification
Cyclohexanone-formaldehyde polymer		Data not available or insufficient for classification
Zeolites		Data not available or insufficient for classification
Titanium dioxide	In Vitro	Not mutagenic
Titanium dioxide	Ingestion	Not mutagenic
Diethylmethylbenzenediamine	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

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sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Castor oil			Data not available or insufficient for classification
Non-hazardous ingredients			Data not available or insufficient for classification
Cyclohexanone-formaldehyde polymer			Data not available or insufficient for classification
Zeolites			Data not available or insufficient for classification
Titanium dioxide	Ingestion		Not carcinogenic
Titanium dioxide	Inhalation		Some positive data exist, but the data are not sufficient for classification
Diethylmethylenediamine	Ingestion		Some positive data exist, but the data are not sufficient for classification
Quartz	Inhalation		Carcinogenic.

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

Name	Route	Value	Species	Test result	Exposure Duration
Castor oil	Ingestion	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL 248 mg/kg/day	
Non-hazardous ingredients	Ingestion	Not toxic to reproduction and/or development		NOAEL N/A	
Cyclohexanone-formaldehyde polymer		Data not available or insufficient for classification			
Zeolites		Data not available or insufficient for classification			
Titanium dioxide		Data not available or insufficient for classification			
Diethylmethylbenzenediamine		Data not available or insufficient for classification			
Quartz		Data not available or insufficient for classification			

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

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Castor oil			Data not available or insufficient for classification			
Non-hazardous ingredients	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for		Irritation Positive	

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			classification			
Non-hazardous ingredients	Inhalation	respiratory system	All data are negative		NOAEL 0.0812 mg/l	
Cyclohexanone-formaldehyde polymer			Data not available or insufficient for classification			
Zeolites			Data not available or insufficient for classification			
Titanium dioxide	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Diethylmethylenediamine			Data not available or insufficient for classification			
Quartz	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Castor oil	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 3,000 mg/kg/day	
Castor oil	Ingestion	hematopoietic system	Some positive data exist, but the data are not sufficient for classification		LOEL 300 mg/kg/day	
Castor oil	Ingestion	heart	Some positive data exist, but the data are not sufficient for classification		LOEL 248 mg/kg/day	
Castor oil	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 2,000 mg/kg/day	
Non-hazardous ingredients			Data not available or insufficient for classification			
Cyclohexanone-formaldehyde polymer			Data not available or insufficient for classification			
Zeolites			Data not available or insufficient for classification			
Titanium dioxide	Inhalation	respiratory system	Some positive data exist, but the data are not		NOEL 10 mg/m ³	

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			sufficient for classification			
Titanium dioxide	Inhalation	pulmonary fibrosis	All data are negative		NOAEL N/A	
Diethylmethylbenzenediamine	Ingestion	endocrine system	May cause damage to organs though prolonged or repeated exposure		NOAEL 4.75 mg/kg/day	
Diethylmethylbenzenediamine	Ingestion	liver	May cause damage to organs though prolonged or repeated exposure		LOAEL 1.36 mg/kg/day	
Diethylmethylbenzenediamine	Ingestion	eyes kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 4.75 mg/kg/day	
Quartz	Inhalation	silicosis	Causes damage to organs through prolonged or repeated exposure		NOAEL N/A	

Aspiration Hazard

Name	Value
Castor oil	Not an aspiration hazard
Non-hazardous ingredients	Not an aspiration hazard
Cyclohexanone-formaldehyde polymer	Not an aspiration hazard
Zeolites	Not an aspiration hazard
Titanium dioxide	Not an aspiration hazard
Diethylmethylbenzenediamine	Not an aspiration hazard
Quartz	Not an aspiration hazard

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

SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity**Acute aquatic hazard:**

GHS Acute 3: Harmful to aquatic life.

Chronic aquatic hazard:

GHS Chronic 3: Harmful to aquatic life with long lasting effects.

No product test data available.

Material	CAS Nbr	Organism	Type	Exposure	Test endpoint	Test result
Diethylmethylbenzenediamine	68479-98-1	Water flea	Laboratory	48 hours	EC50	0.5 mg/l

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e						
Diethylmethyl benzenediamine	68479-98-1		Laboratory	48 hours	LC50	194 mg/l
e						

12.2. Persistence and degradability

No test data available.

12.3 : Bioaccumulative potential

No test data available.

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

Dispose of contents/ container in accordance with the local/regional/national/international regulations

As a disposal alternative, Incinerate in a permitted waste incineration facility. Dispose of waste product in a permitted industrial waste facility. Proper destruction may require the use of additional fuel during incineration processes. 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 01 11* Waste paint and varnish containing organic solvents or other dangerous substances

SECTION 14: Transportation information

GR-2001-0400-2, GR-2001-0401-0

Not hazardous for transportation

SECTION 15: Regulatory information

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

Carcinogenicity Ingredient

CAS Nbr

Classification

Regulation

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Quartz	14808-60-7	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
Titanium dioxide	13463-67-7	Grp. 2B: Possible human carc.	International Agency for Research on Cancer
Zeolites	1318-02-1	Gr. 3: Not classifiable	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 material are in compliance with the provisions of the Korean Toxic Chemical Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. 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. The components of this product are in compliance with the chemical notification requirements of TSCA.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information

List of relevant H statements

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H319	Causes serious eye irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

List of relevant R-phrases

R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50/53	Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Revision information:

Revision Changes:

Section 8: Respiratory protection - recommended respirators information was modified.

Section 8: Respiratory protection - recommended respirators was modified.

Section 1: Product use information was modified.

Section 16: List of relevant R phrase information was modified.

Section 3: Composition/ Information of ingredients table was modified.

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

Section 16: Regulations - Inventories - EU ONLY was modified.

Copyright was modified.

Section 8: Occupational exposure limit table was modified.

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Aspiration Hazard Table was modified.
Section 11: Acute Toxicity table was modified.
Carcinogenicity Table was modified.
Serious Eye Damage/Irritation Table was modified.
Germ Cell Mutagenicity Table was modified.
Skin Sensitisation Table was modified.
Respiratory Sensitisation Table was modified.
Reproductive Toxicity Table was modified.
Skin Corrosion/Irritation Table was modified.
Target Organs - Repeated Table was modified.
Target Organs - Single Table was modified.
Section 5: Fire - Extinguishing media information was modified.
Section 6: Accidental release clean-up information was modified.
Section 7: Conditions safe storage was modified.
Section 13: Standard Phrase Category Waste GHS was modified.
Section 8: Respiratory protection - recommended respirators guide was added.
Section 2: Indication of danger heading was added.
Section 2: Indication of danger information was added.
Section 9: Odour Threshold was added.
Section 9: Solubility (non-water) was added.
Section 09: Decomposition Temperature was added.
Section 11: Prolonged or repeated exposure may cause: heading was added.
Section 11: Prolonged or repeated exposure may cause standard phrases was added.
Section 2: R phrase reference was added.
Label: Graphic was added.
Section 02: Graphic information was added.
Section 9: Flammability (solid, gas) information was added.
Section 2: Symbols heading was deleted.
Section 15: Symbol information was deleted.
Section 11: UN GHS Classification table heading was deleted.
Section 11: Health Effects - Other 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