



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 Intumescent Coating LS1000, Grey

Product identification numbers

GR-2001-0293-1

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

Identified uses

Coating.

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

Symbols None.

3M Scotchkote Intumescent Coating LS1000, Grey**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

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

Special provisions concerning the labelling of certain substances

Contains diammonium peroxodisulphate May produce an allergic reaction.

Notes on labelling

Nota L applied to CAS #64742-53-6

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Non-hazardous ingredients	Mixture		50 - 60	
Polyphosphoric acids, ammonium salts	68333-79-9	EINECS 269-789-9	10 - 20	
Melamine	108-78-1	EINECS 203-615-4	10 - 20	STOT RE 2, H373 (Self Classified)
Pentaerythritol	115-77-5	EINECS 204-104-9	10 - 20	
Titanium dioxide	13463-67-7	EINECS 236-675-5	1 - 10	
Isodecyl diphenyl phosphate	29761-21-5	EINECS 249-828-6	< 1	N:R50 (Self Classified) Aquatic Acute 1, H400,M=1 (Self Classified)
Diammonium peroxodisulphate	7727-54-0	EINECS 231-786-5	< 1	O:R8; Xn:R22; Xi:R36-37-38; R42-43 (EU) Ox. Sol. 3, H272; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Resp. Sens. 1, H334; Skin Sens. 1, H317; STOT SE 3, H335 (CLP)
Nonylphenol, branched, ethoxylated	68412-54-4	NLP 500-209-1	< 1	N:R50/53 (Self Classified) Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1 (Self Classified)
Formaldehyde	50-00-0	EINECS 200-001-8	< 0.1	Carc.Cat.3:R40; T:R23-24-25; C:R34; R43 - Nota B,D (EU) Acute Tox. 2, H330; Acute Tox.

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				3, H311; Acute Tox. 3, H301; Skin Corr. 1B, H314; Skin Sens. 1A, H317; Carc. 2, H351; STOT SE 3, H335 - Nota B,D (CLP)
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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

Eye contact

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, 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.

Inhalation

Remove person to fresh air. If you feel unwell, 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 carbon dioxide or dry chemical extinguisher for extinction.

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>
Aldehydes.	During combustion.
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.
Ammonia	During combustion.
Oxides of nitrogen.	During combustion.
Oxides of sulphur.	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. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

For industrial or professional use only. Do not use in a confined area or areas with little or no air movement. 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. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage including any incompatibilities

Store away from acids.

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
Pentaerythritol	115-77-5	Health and Safety Comm. (UK)	TWA (as inhalable dust): 10 mg/m ³ ; TWA (as respirable dust): 4 mg/m ³ ; STEL (as inhalable dust): 20 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	
Formaldehyde	50-00-0	Health and Safety Comm. (UK)	TWA:2.5 mg/m ³ (2 ppm);STEL:2.5 mg/m ³ (2 ppm)	

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

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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

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

Wear eye/face protection.

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

Skin/hand protection

Wear protective gloves and protective clothing.

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

Neoprene.

Nitrile rubber.

Polymer laminate

The following protective clothing material(s) are recommended: Neoprene apron.

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.
Specific Physical Form:	Slight structure
Appearance/Odour	Faint acrylic odour; Grey colour
pH	8
Boiling point/boiling range	100 °C
Melting point	<i>Not applicable.</i>
Flammability (solid, gas)	Not classified
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	<i>Not applicable.</i>
Autoignition temperature	<i>No data available.</i>
Flammable Limits(LEL)	<i>Not applicable.</i>
Flammable Limits(UEL)	<i>Not applicable.</i>
Vapour pressure	2,346.5 Pa [@ 20 °C]
Relative density	1.30 [<i>Ref Std: WATER=1</i>]

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Water solubility	Complete
Partition coefficient: n-octanol/water	No data available.
Evaporation rate	No data available.
Vapour density	No data available.
Viscosity	No data available.
Density	1.3 g/ml

9.2. Other information

Volatile organic compounds (VOC)	0 g/l [Details:EU Definition]
Percent volatile	50 % weight

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

Temperatures above the boiling point.

10.5 Incompatible materials

Strong acids.

10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
None known.	

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:

Eye contact

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

Skin contact

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Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Inhalation

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.

Ingestion

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

Target Organ Effects:

Prolonged or repeated exposure may cause:

Kidney/Bladder effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

Toxicological Data

Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No test data available; calculated ATE >5,000 mg/kg
Polyphosphoric acids, ammonium salts	Dermal	Rat	LD50 > 5,000 mg/kg
Polyphosphoric acids, ammonium salts	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5 mg/l
Polyphosphoric acids, ammonium salts	Ingestion	Rat	LD50 4,740 mg/kg
Melamine	Dermal	Rabbit	LD50 > 1,000 mg/kg
Melamine	Ingestion	Rat	LD50 3,161 mg/kg
Pentaerythritol			No data available
Titanium dioxide	Dermal	Rabbit	LD50 > 10,000 mg/kg
Titanium dioxide	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 7 mg/l
Titanium dioxide	Ingestion	Rat	LD50 > 10,000 mg/kg
Isodecyl diphenyl phosphate			No data available
Nonylphenol, branched, ethoxylated			No data available
Diammonium peroxodisulphate	Dermal	Rat	LD50 > 2,000 mg/kg
Diammonium peroxodisulphate	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 2.95 mg/l
Diammonium peroxodisulphate	Ingestion	Rat	LD50 495 mg/kg
Formaldehyde	Dermal	Rabbit	LD50 270 mg/kg
Formaldehyde	Inhalation-Gas (4 hours)	Rat	LC50 470 ppm
Formaldehyde	Ingestion	Rat	LD50 800 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Polyphosphoric acids, ammonium salts		No data available
Melamine	Guinea pig	No significant irritation
Pentaerythritol		No data available
Titanium dioxide		No significant irritation
Isodecyl diphenyl phosphate		No data available
Nonylphenol, branched, ethoxylated		No data available
Diammonium peroxodisulphate		No data available
Formaldehyde		Corrosive

Serious Eye Damage/Irritation

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Name	Species	Value
Polyphosphoric acids, ammonium salts		No data available
Melamine	Rabbit	No significant irritation
Pentaerythritol		No data available
Titanium dioxide		Mild irritant
Isodecyl diphenyl phosphate		No data available
Nonylphenol, branched, ethoxylated		No data available
Diammonium peroxodisulphate		No data available
Formaldehyde		Corrosive

Skin Sensitisation

Name	Species	Value
Polyphosphoric acids, ammonium salts		No data available
Melamine	Guinea pig	Not sensitizing
Pentaerythritol		No data available
Titanium dioxide		Not sensitizing
Isodecyl diphenyl phosphate		No data available
Nonylphenol, branched, ethoxylated		No data available
Diammonium peroxodisulphate		No data available
Formaldehyde		Sensitising

Respiratory Sensitisation

Name	Species	Value
Polyphosphoric acids, ammonium salts		No data available
Melamine		No data available
Pentaerythritol		No data available
Titanium dioxide		No data available
Isodecyl diphenyl phosphate		No data available
Nonylphenol, branched, ethoxylated		No data available
Diammonium peroxodisulphate		No data available
Formaldehyde		Some positive data exist, but the data are not sufficient for classification

Germ Cell Mutagenicity

Name	Route	Value
Polyphosphoric acids, ammonium salts		No data available
Melamine	In Vitro	Not mutagenic
Melamine	In vivo	Not mutagenic
Pentaerythritol		No data available
Titanium dioxide	In Vitro	Not mutagenic
Titanium dioxide	Ingestion	Not mutagenic
Isodecyl diphenyl phosphate		No data available
Nonylphenol, branched, ethoxylated		No data available
Diammonium peroxodisulphate		No data available
Formaldehyde	In vivo	Mutagenic

Carcinogenicity

Name	Route	Species	Value
Polyphosphoric acids, ammonium salts			No data available
Melamine	Ingestion	Rat	Some positive data exist, but the data are not sufficient for classification
Pentaerythritol			No data available
Titanium dioxide	Ingestion		Not carcinogenic
Titanium dioxide	Inhalation		Some positive data exist, but the data are not sufficient for classification
Isodecyl diphenyl phosphate			No data available
Nonylphenol, branched, ethoxylated			No data available
Diammonium peroxodisulphate			No data available

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Formaldehyde	Not specified.		Carcinogenic.
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Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Polyphosphoric acids, ammonium salts		No data available			
Melamine	Ingestion	Not toxic to development	Rat	NOAEL 1,060 mg/kg/day	during organogenesis
Pentaerythritol		No data available			
Titanium dioxide		No data available			
Isodecyl diphenyl phosphate		No data available			
Nonylphenol, branched, ethoxylated		No data available			
Diammonium peroxodisulphate		No data available			
Formaldehyde	Ingestion	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL 100 mg/kg	
Formaldehyde	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL 10 ppm	

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Polyphosphoric acids, ammonium salts			No data available			
Melamine			No data available			
Pentaerythritol			No data available			
Titanium dioxide	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Isodecyl diphenyl phosphate			No data available			
Nonylphenol, branched, ethoxylated			No data available			
Diammonium peroxodisulphate			No data available			

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Formaldehyde	Inhalation	respiratory system	Causes damage to organs		LOAEL 128 ppm	
Formaldehyde	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
Polyphosphoric acids, ammonium salts			No data available			
Melamine	Ingestion	kidney and/or bladder	May cause damage to organs though prolonged or repeated exposure	Rat	LOAEL 63 mg/kg/day	13 weeks
Pentaerythritol			No data available			
Titanium dioxide	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		NOEL 10 mg/m ³	
Titanium dioxide	Inhalation	pulmonary fibrosis	All data are negative		NOAEL N/A	
Isodecyl diphenyl phosphate			No data available			
Nonylphenol, branched, ethoxylated			No data available			
Diammonium peroxodisulfate			No data available			
Formaldehyde	Dermal	respiratory system	Some positive data exist, but the data are not sufficient for classification		NOEL N/A	
Formaldehyde	Inhalation	respiratory system	Causes damage to organs through prolonged or repeated exposure		NOAEL 0.3 ppm	
Formaldehyde	Inhalation	hematopoietic system	Some positive data exist, but the data are not sufficient for classification		LOEL 15 ppm	
Formaldehyde	Inhalation	liver nervous system	Some positive data exist, but the data are not sufficient for classification		NOEL 10 ppm	
Formaldehyde	Inhalation	endocrine system immune system muscles	All data are negative		NOAEL 15 ppm	

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		kidney and/or bladder				
Formaldehyde	Inhalation	heart vascular system	All data are negative		NOAEL 14.3 ppm	
Formaldehyde	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOAEL 82 mg/kg/day	
Formaldehyde	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 50 mg/kg/day	
Formaldehyde	Ingestion	nervous system	Some positive data exist, but the data are not sufficient for classification		NOEL 21 mg/kg/day	
Formaldehyde	Ingestion	immune system	Some positive data exist, but the data are not sufficient for classification		NOEL 20 mg/kg/day	
Formaldehyde	Ingestion	heart endocrine system hematopoietic system respiratory system vascular system	All data are negative		NOAEL 300 mg/kg/day	
Formaldehyde	Ingestion	skin muscles eyes	All data are negative		NOAEL 109 mg/kg/day	
Formaldehyde	Ocular	eyes	All data are negative		NOAEL 14.3 ppm	

Aspiration Hazard

Name	Value
Polyphosphoric acids, ammonium salts	Not an aspiration hazard
Melamine	Not an aspiration hazard
Pentaerythritol	Not an aspiration hazard
Titanium dioxide	Not an aspiration hazard
Isodecyl diphenyl phosphate	Not an aspiration hazard
Nonylphenol, branched, ethoxylated	Not an aspiration hazard
Diammonium peroxodisulphate	Not an aspiration hazard
Formaldehyde	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

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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.

No component test data available.

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

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. Incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. As a disposal alternative, utilize an acceptable permitted waste disposal 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)

08 01 11* Waste paint and varnish containing organic solvents or other dangerous substances

SECTION 14: Transportation information

GR-2001-0293-1

Not hazardous for transportation

SECTION 15: Regulatory information

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

Carcinogenicity

<u>Ingredient</u>	<u>CAS Nbr</u>	<u>Classification</u>	<u>Regulation</u>
Formaldehyde	50-00-0	Carc. 2	Regulation (EC) No. 1272/2008, Table 3.1
Formaldehyde	50-00-0	Carc.Cat.3	Regulation (EC) No. 1272/2008, Table 3.2
Formaldehyde	50-00-0	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
Melamine	108-78-1	Gr. 3: Not classifiable	International Agency for Research on Cancer
Titanium dioxide	13463-67-7	Grp. 2B: Possible human carc.	International Agency for Research on Cancer

Global inventory status

Contact 3M for more information. 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

H272	May intensify fire; oxidizer.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
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

R22	Harmful if swallowed.
R23	Toxic by inhalation.
R24	Toxic in contact with skin.
R25	Toxic if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R42	May cause sensitisation by inhalation.
R43	May cause sensitisation by skin contact.

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R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R8	Contact with combustible material may cause fire.

Revision information:

Revision Changes:

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

Section 8: Respiratory protection - recommended respirators was modified.

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

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 6: Accidental release clean-up information 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 2: Notes on labelling heading was added.

Section 2: Label remarks was added.

Section 2: R phrase reference was added.

Section 11: UN GHS Classification table heading was deleted.

Section 2.1: Classification 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