



## 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 Thinners SA65

#### 3M Product identification numbers

GR-2000-9982-2      GR-2001-0452-3      GR-2001-0453-1      GR-2001-0454-9

#### 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 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**

Harmful.

## 3M Scotchkote Thinners SA65

Flammable

### 2.2. Label elements

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

##### Symbols

Xn Harmful.

##### Contains:

Butan-1-ol; Xylene

##### Risk phrases

R10 Flammable.  
R20/21 Harmful by inhalation and in contact with skin.  
R41 Risk of serious damage to eyes.  
R37/38 Irritating to respiratory system and skin.

##### Safety phrases

S23A Do not breathe vapour.  
S36/37/39B Wear suitable protective clothing, gloves, and eye and face protection.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Updated per Regulation (EC) 648/2004 on detergents.

### 2.3. Other hazards

None known.

## SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Xylene	1330-20-7	EINECS 215-535-7	40 - 50	Xn:R20-21; Xi:R38; R10 - Nota C (EU)  Flam. Liq. 3, H226; Acute Tox. 4, H332; Acute Tox. 4, H312; Skin Irrit. 2, H315 - Nota C (CLP)
Butan-1-ol	71-36-3	EINECS 200-	10 - 20	Xn:R22; Xi:R37-38-41; R10;

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		751-6		R67 (EU)  Flam. Liq. 3, H226; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H336; STOT SE 3, H335 (CLP)
4-Methylpentan-2-one	108-10-1	EINECS 203-550-1	10 - 20	F:R11; Xn:R20; Xi:R36-37; R66 (EU)  Flam. Liq. 2, H225; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335 (CLP)
4-Hydroxy-4-methylpentan-2-one	123-42-2	EINECS 204-626-7	10 - 20	Xi:R36 (EU)  Eye Irrit. 2, H319 (CLP)
Ethylbenzene	100-41-4	EINECS 202-849-4	1 - 10	F:R11; Xn:R20 (EU)  Flam. Liq. 2, H225; Acute Tox. 4, H332 (CLP)

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**

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.

**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 fire fighting agent suitable for flammable liquids or gases such as dry chemical or carbon dioxide.

**5.2. Special hazards arising from the substance or mixture**

Closed containers exposed to heat from fire may build pressure and explode.

**Hazardous Decomposition or By-Products****Substance**

Carbon monoxide.  
Carbon dioxide.

**Condition**

During combustion.  
During combustion.

**5.3. Advice for fire-fighters**

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Evacuate area. 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 using non-sparking tools. Collect as much of the spilled material as possible. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Seal the container. Cover spill area with a fire-extinguishing foam. An appropriate aqueous film forming foam (AFFF) is recommended.

**6.4. Reference to other sections**

Refer to Section 8 and Section 13 for more information

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid eye contact. 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. Use personal protective equipment (eg. gloves, respirators...) as required. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment. Wear low static or properly grounded shoes. Vapours may travel long distances along the ground or floor to an ignition source and flash back. Do not breathe dust/fume/gas/mist/vapours/spray. For industrial or professional use only. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

**7.2. Conditions for safe storage including any incompatibilities**

Store in a well-ventilated place. Keep container tightly closed. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store away from acids. 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**

<b>Ingredient</b>	<b>CAS Nbr</b>	<b>Agency</b>	<b>Limit type</b>	<b>Additional comments</b>
Ethylbenzene	100-41-4	Health and Safety Comm. (UK)	TWA:441 mg/m <sup>3</sup> (100 ppm);STEL:552 mg/m <sup>3</sup> (125 ppm)	Skin Notation
4-Methylpentan-2-one	108-10-1	Health and Safety Comm. (UK)	TWA:208 mg/m <sup>3</sup> (50 ppm);STEL:416 mg/m <sup>3</sup> (100 ppm)	Skin Notation
4-Hydroxy-4-methylpentan-2-one	123-42-2	Health and Safety Comm. (UK)	TWA: 241 mg/m <sup>3</sup> (50 ppm); STEL: 362 mg/m <sup>3</sup> (75 ppm)	
Xylene	1330-20-7	Health and Safety Comm. (UK)	TWA:220 mg/m <sup>3</sup> (50 ppm);STEL:441 mg/m <sup>3</sup> (100 ppm)	Skin Notation
Butan-1-ol	71-36-3	Health and Safety Comm. (UK)	STEL:154 mg/m <sup>3</sup> (50 ppm)	Skin Notation

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

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

ppm: parts per million

mg/m<sup>3</sup>: milligrams per cubic metre

CEIL: Ceiling

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

Use explosion-proof ventilation equipment. 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. Wear protective gloves and eye/face protection. The following eye protection(s) are recommended: Indirect vented goggles.

**Skin/hand protection**

Wear protective gloves. Gloves made from the following material(s) are recommended: Neoprene.

**Respiratory protection**

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:

Half face piece or full face air-purifying respirator with organic vapour cartridges.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Appearance/Odour	Pungent, Aromatic Odour; Clear
pH	<i>Not applicable.</i>
Boiling point/boiling range	117 °C
Melting point	<i>Not applicable.</i>
Flammability (solid, gas)	Flammable Liquid: Category 2.
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	22 °C [ <i>Test Method</i> :Closed Cup]
Flammable Limits(LEL)	1 % volume
Flammable Limits(UEL)	11.3 % volume
Vapour pressure	1233.2 Pa [ <i>@ 25 °C</i> ]
Relative density	0.850 [ <i>Ref Std</i> :WATER=1]
Water solubility	0 %
Partition coefficient: n-octanol/water	<i>No data available.</i>
Evaporation rate	<i>No data available.</i>
Vapour density	<i>No data available.</i>
Viscosity	<i>No data available.</i>
Density	0.85 g/ml

### 9.2. Other information

Volatile organic compounds (VOC)	850 g/l [ <i>Details</i> :EU Definition]
Percent volatile	100 %

## 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.

Sparks and/or flames.

Temperatures above the boiling point.

### 10.5 Incompatible materials

Combustibles.

## 10.6 Hazardous decomposition products

### Substance

None known.

### Condition

## 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**

Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

##### **Skin contact**

Moderate skin irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness. Dermal Defatting: Signs/symptoms may include localised redness, itching, drying and cracking of skin.

##### **Inhalation**

May cause target organ effects after inhalation. Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

##### **Ingestion**

May cause target organ effects after ingestion. May be harmful if swallowed.

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

##### **Target Organ Effects:**

Auditory effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears. Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness. Neurological effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and changes in blood pressure and heart rate.

##### **Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

**3M Scotchkote Thinners SA65****Toxicological Data****Acute Toxicity**

Name	Route	Species	Value	UN GHS Classification
3M Scotchkote Thinners SA65	Ingestion		No test data available; calculated ATE3206 mg/kg	Category5 (1.5255% unknown)
Xylene			No data available	
4-Methylpentan-2-one			No data available	
Butan-1-ol			No data available	
4-Hydroxy-4-methylpentan-2-one			No data available	
Ethylbenzene			No data available	

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value	UN GHS Classification
3M Scotchkote Thinners SA65		No test data available; calculated to be mild irritant	Category 3
Xylene		Mild irritant	Category 3
4-Methylpentan-2-one		No data available	
Butan-1-ol		No data available	
4-Hydroxy-4-methylpentan-2-one		No data available	
Ethylbenzene		No data available	

**Serious Eye Damage/Irritation**

Name	Species	Value	UN GHS Classification
3M Scotchkote Thinners SA65		No test data available; calculated to be severe irritant	Category 2A
Xylene		No data available	
4-Methylpentan-2-one		No data available	
Butan-1-ol		No data available	
4-Hydroxy-4-methylpentan-2-one		No data available	
Ethylbenzene		No data available	

**Skin Sensitisation**

Name	Species	Value	UN GHS Classification
3M Scotchkote Thinners SA65		No test data available.	Not classified based on component data
Xylene		No data available	



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4-Methylpentan-2-one		No data available	
Butan-1-ol		No data available	
4-Hydroxy-4-methylpentan-2-one		No data available	
Ethylbenzene		No data available	

**Respiratory Sensitisation**

Name	Species	Value	UN GHS Classification
3M Scotchkote Thinners SA65		No test data available.	Not classified based on component data
Xylene		No data available	
4-Methylpentan-2-one		No data available	
Butan-1-ol		No data available	
4-Hydroxy-4-methylpentan-2-one		No data available	
Ethylbenzene		No data available	

**Germ Cell Mutagenicity**

Name	Route	Value	UN GHS Classification
3M Scotchkote Thinners SA65		No data available	Overall Germ Cell Mutagenicity classification Not classified
3M Scotchkote Thinners SA65		No test data available.	
Xylene		No data available	
4-Methylpentan-2-one		No data available	
Butan-1-ol		No data available	
4-Hydroxy-4-methylpentan-2-one		No data available	
Ethylbenzene		No data available	

**Carcinogenicity**

Name	Route	Species	Value	UN GHS Classification
3M Scotchkote Thinners SA65			No test data available.	Category 2 based on component data
Xylene			No data available	
4-Methylpentan-2-one			No data available	
Butan-1-ol			No data available	
4-Hydroxy-4-methylpentan-2-one			No data available	
Ethylbenzene	Inhalation		Carcinogenic.	Category 2

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

Name	Route	Value	Species	Test result	Exposure	UN GHS
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**3M Scotchkote Thinners SA65**

					<b>Duration</b>	<b>Classification</b>
3M Scotchkote Thinners SA65		No test data available.				Not classified based on component data
Xylene		No data available				
4-Methylpentan-2-one		No data available				
Butan-1-ol		No data available				
4-Hydroxy-4-methylpentan-2-one		No data available				
Ethylbenzene		No data available				

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

<b>Name</b>	<b>Route</b>	<b>Target Organ(s)</b>	<b>Value</b>	<b>Species</b>	<b>Test result</b>	<b>Exposure Duration</b>	<b>UN GHS Classification</b>
3M Scotchkote Thinners SA65			No test data available.				Category 1 based on component data
Xylene	Inhalation	auditory system	Causes damage to organs		LOAEL 6.3 mg/l		Category 1
Xylene	Inhalation	central nervous system depression	May cause drowsiness or dizziness		LOAEL 0.43 mg/l		Category 3
Xylene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified
Xylene	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
4-Methylpen	Inhalation	central nervous	May cause drowsiness		NOAEL 10 mg/m3		Category 3

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tan-2-one		system depression	or dizziness				
4-Methylpentan-2-one	Ingestion	central nervous system depression	May cause drowsiness or dizziness		LOAEL 900 mg/kg/day		Category 3
Butan-1-ol	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
Butan-1-ol	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
4-Hydroxy-4-methylpentan-2-one	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL NA		Category 3
4-Hydroxy-4-methylpentan-2-one	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL NA		Category 3
4-Hydroxy-4-methylpentan-2-one	Ingestion	blood	Some positive data exist, but the data are not sufficient for classification		LOAEL 1882 mg/kg		Not classified
Ethylbenzene	Inhalation	central nervous system depression	May cause drowsiness or dizziness		LOAEL 0.43 mg/l		Category 3

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
3M Scotchkote Thinners SA65			No test data available.				Category 1 based on component data
Xylene	Inhalation	nervous system	Causes damage to organs through prolonged		LOAEL 0.4 mg/l		Category 1

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			or repeated exposure				
Xylene	Inhalation	auditory system	May cause damage to organs though prolonged or repeated exposure		LOAEL 7.8 mg/l		Category 2
4-Methylpentan-2-one			No data available				
Butan-1-ol			No data available				
4-Hydroxy-4-methylpentan-2-one			No data available				
Ethylbenzene	Inhalation	liver   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOAEL 1.1 mg/l		Not classified

**Aspiration Hazard**

Name	Value	UN GHS Classification
3M Scotchkote Thinners SA65	No test data available.	Not classified based on component and/or viscosity data
Xylene	Aspiration hazard	Category 1
4-Methylpentan-2-one	Not an aspiration hazard	Not classified
Butan-1-ol	Not an aspiration hazard	Not classified
4-Hydroxy-4-methylpentan-2-one	Not an aspiration hazard	Not classified
Ethylbenzene	Aspiration hazard	Category 1

**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 2: Toxic to aquatic life with long lasting effects.

#### **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 3M for more details.

### **12.5. Results of the PBT and vPvB assessment**

No information available at this time, contact 3M 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, dispose of waste product in a permitted hazardous waste 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)**

070104\* Other organic solvents, washing liquids and mother liquors

## **SECTION 14: Transportation information**

## 3M Scotchkote Thinners SA65

GR-2000-9982-2, GR-2001-0454-9

**ADR/RID:** UN1263, PAINT RELATED MATERIAL, LIMITED QUANTITY, 3., II, (--), ADR Classification Code: F1.  
**IMDG-CODE:** UN1263, PAINT RELATED MATERIAL, 3, II, LIMITED QUANTITY, EMS: FE,SE.  
**ICAO/IATA:** UN1263, PAINT RELATED MATERIAL, 3., II.

GR-2001-0452-3

**ADR/RID:** UN1263, PAINT RELATED MATERIAL, 3., II, (D/E), ADR Classification Code: F1.  
**IMDG-CODE:** UN1263, PAINT RELATED MATERIAL, 3, II, EMS: FE,SE.  
**ICAO/IATA:** FORBIDDEN: PACKAGE SIZE EXCEEDS IATA QUANTITY LIMITATIONS

GR-2001-0453-1

**ADR/RID:** UN1263, PAINT RELATED MATERIAL, 3., II, (D/E), ADR Classification Code: F1.  
**IMDG-CODE:** UN1263, PAINT RELATED MATERIAL, 3, II, EMS: FE,SE.  
**ICAO/IATA:** UN1263, PAINT RELATED MATERIAL, 3., II.

## 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>
Xylene	1330-20-7	Gr. 3: Not classifiable	International Agency for Research on Cancer
Ethylbenzene	100-41-4	Grp. 2B: Possible human carc.	International Agency for Research on Cancer

#### Global inventory status

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. Contact 3M for more information. The components of this material are in compliance with the China 36 Measures on Environmental Management of New Chemical Substances<sup>36</sup>. 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 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.

#### List of ingredients according to Annex VII D of the regulation on detergents 648/2004/EC

The following ingredient information is provided per Regulation EC No. 648/2004 on Detergents:

Xylene  
n-Butyl alcohol  
MIBK  
Diacetone alcohol  
Ethylbenzene

**15.2. Chemical Safety Assessment**

Not applicable

<b>SECTION 16: Other information</b>
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**List of relevant H statements**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

**List of relevant R-phrases**

R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

**Revision information:**

Revision Changes:

Section 1: Main heading was modified.

Section 1: 1.1. product identifier heading was modified.

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

Section 1: 1.3. Details of the supplier of the substance or mixture heading was modified.

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

Section 2: Main heading was modified.

Section 3: Main heading was modified.

Section 4: Main heading was modified.

Section 5: 5.1. Extinguishing media heading was modified.

Section 5: Main heading was modified.

Section 5: 5.3. Advice for fire-fighters was modified.

Section 5: 5.2. Special hazards arising from the substance or mixture heading was modified.

Section 6: 6.3. Methods and material for containment and cleaning up was modified.

Section 6: 6.2. Environmental precautions heading was modified.

Section 6: Main heading was modified.  
Section 6: 6.1. Personal precautions, protective equipment and emergency procedures heading was modified.  
Section 7: Main heading was modified.  
Section 8: Main heading was modified.  
Section 8: 8.1. Control parameters heading was modified.  
Section 8: 8.2.1 Engineering controls heading was modified.  
Section 9: Main heading was modified.  
Section 9: 9.1. Information on basic physical and chemical properties heading was modified.  
Section 9: 9.2. Other information heading was modified.  
Section 10: Main heading was modified.  
Section 11: Main heading was modified.  
Section 12: Main heading was modified.  
Section 13: Main heading was modified.  
Section 14: Main heading was modified.  
Section 15: Main heading was modified.  
Section 16: Main heading was modified.  
Section 2: Label ingredient information was modified.  
Section 1: 3M Product identification numbers was modified.  
Section 3: Composition/ Information of ingredients table was modified.  
Section 8: Skin/hand protection heading was modified.  
Section 12: 12.1. Toxicity heading was modified.  
Section 12: 12.4 Mobility in soil heading was modified.  
Section 12: 12.2. persistence and degradability heading was modified.  
Section 12: 12.3. Bioaccumulative potential heading was modified.  
Section 12: 12.5. Results of the PBT and vPvB assessment was modified.  
Section 12: 12.6. Other adverse effects was modified.  
Section 2: Other hazards phrase was modified.  
Section 16: Regulations – Inventories – EU ONLY was modified.  
Copyright was modified.  
Section 9: Flammable limits (LEL) information was modified.  
Section 9: Flammable limits (UEL) information was modified.  
Section 8: Occupational exposure limit table was modified.  
Section 4: First aid for skin contact heading was added.  
Section 4: First aid for eye contact heading was added.  
Section 4: First aid for ingestion (swallowing) heading was added.  
Section 4: First aid for inhalation heading was added.  
Section 15: Carcinogenicity heading was added.  
Section 15: Carcinogenicity information was added.  
Section 15: Carcinogenicity table Regulation column heading was added.  
Section 15: Carcinogenicity table Ingredient column heading was added.  
Section 15: Carcinogenicity table CAS No column heading was added.  
Section 15: Carcinogenicity table Classification column heading was added.  
Section 15: Ingredient information per Regulation EC No. 648/2004 was added.  
Section 11: Information on Toxicological effects heading was added.  
Section 11: Signs and Symptoms of Exposure heading was added.  
Section 11: Acute Toxicity table heading was added.  
Section 11: Acute Toxicity table ATE text was added.  
Aspiration Hazard Table was added.  
Section 11: Aspiration table heading was added.  
Section 11: Acute Toxicity table was added.  
Section 11: Classification disclaimer was added.  
Section 11: Additional toxicological information statement was added.  
Section 11: Health effects heading was added.  
Section 11: Carcinogenicity heading was added.  
Carcinogenicity Table was added.  
Section 11: Carcinogenicity table heading was added.



Section 11: Exposure Duration table heading was added.  
Section 11: Serious Eye Damage/Irritation table heading was added.  
Serious Eye Damage/Irritation Table was added.  
Germ Cell Mutagenicity Table was added.  
Section 11: Germ Cell Mutagenicity table heading was added.  
Section 11: Target Organ Effects heading was added.  
Skin Sensitisation Table was added.  
Respiratory Sensitisation Table was added.  
Section 11: Name table heading was added.  
Section 11: Reproductive and/or Developmental table heading was added.  
Reproductive Toxicity Table was added.  
Section 11: Reproductive Toxicity table heading was added.  
Section 11: Respiratory Sensitisation table heading was added.  
Section 11: Route table heading was added.  
Skin Corrosion/Irritation Table was added.  
Section 11: Skin Sensitisation table heading was added.  
Section 11: Species table heading was added.  
Section 11: Test Result table heading was added.  
Section 11: Target Organs table heading was added.  
Section 11: Target Organs - Repeated Exposure table heading was added.  
Target Organs - Repeated Table was added.  
Section 11: Target Organs - Single Exposure table heading was added.  
Target Organs - Single Table was added.  
Section 11: Toxicological Data heading was added.  
Section 11: UN GHS Classification table heading was added.  
Section 11: Value table heading was added.  
Section 11: Health Effects - Eye information was added.  
Section 11: Health Effects - Skin information was added.  
Section 11: Health Effects - Inhalation information was added.  
Section 11: Health Effects - Ingestion information was added.  
Section 11: Health Effects - Other information was added.  
Section 11: Cancer Hazards information was added.  
Section 11: Skin Corrosion/Irritation table heading was added.  
Section 1: Identified uses header was added.  
Section 3: Reference to R and H statement explanation in Section 16 was added.  
Section 3: Disclosure Statement was added.  
Section 12: Classification Warning was added.  
Section 12: No PBT/vPvB information available warning was added.  
Section 2: 2.1. Classification of the substance or mixture heading was added.  
Section 2: 2.2. Label elements heading was added.  
Section 2: 2.3. Other hazards heading was added.  
Section 2: 2.2 & 2.3. DSD/DPD heading was added.  
Section 5: Hazardous combustion products heading was added.  
Section 5: Hazardous combustion products table was added.  
Section 5: Fire - Extinguishing media information was added.  
Section 5: Fire - Special hazards information was added.  
Section 5: Fire - Advice for fire fighters information was added.  
Section 6: 6.4. Reference to other sections heading was added.  
Section 6: Accidental release personal information was added.  
Section 6: Accidental release environmental information was added.  
Section 6: Accidental release clean-up information was added.  
Refer to Section 8 and Section 13 for more information was added.  
Section 7: 7.1. Precautions for safe handling header was added.  
Section 7: 7.2. Conditions for safe storage including any incompatibilities header was added.  
Section 7: 7.3. Specific end use(s) header was added.  
Section 7: More information statement was added.

Section 7: Precautions safe handling information was added.  
Section 7: Conditions safe storage was added.  
Section 8: 8.1. OEL table heading was added.  
Section 8: 8.2.2. Personal protective equipment (PPE) heading was added.  
Section 8: Appropriate Engineering controls information was added.  
Section 8: Personal Protection - Eye information was added.  
Section 8: Personal Protection - Skin/hand information was added.  
Section 10: 10.1. Reactivity heading was added.  
Section 10: 10.2. Chemical stability heading was added.  
Section 10: 10.3. Possibility of hazardous reactions heading was added.  
Section 10: 10.4. Conditions to avoid heading was added.  
Section 10: 10.5. Incompatible materials heading was added.  
Section 10: 10.6 Hazardous decomposition products was added.  
Section 10: Hazardous decomposition or by-products table was added.  
Section 10.1: Reactivity information was added.  
Section 13: 13.1. Waste treatment method heading was added.  
Section 13: 13.1. Waste disposal note was added.  
Section 13: Standard Phrase Category Waste GHS was added.  
Section 4: 4.1. Description of first aid measures heading was added.  
Section 4: 4.2. Most important symptoms and effects, both acute and delayed was added.  
Section 4: 4.3. Indication of any immediate medical attention and special treatment required heading was added.  
Section 4: First aid for eye contact information was added.  
Section 4: First aid for skin contact information was added.  
Section 4: First aid for inhalation information was added.  
Section 4: First aid for ingestion (swallowing) information was added.  
Section 4: First Aid –notes to physician (REACH/GHS) was added.  
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. was added.  
Section 16: List of relevant H statements heading was added.  
Section 4:4.2. Information on toxicological effects text was added.  
Section 8: 8.2. Exposure controls heading was added.  
Section 10: 10.6. Hazardous decomposition products table column 1 heading was added.  
Section 10: 10.6. Hazardous decomposition products table column 2 heading was added.  
Section 15: 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture heading was added.  
Section 15: 15.2. Chemical Safety Assessment was added.  
A chemical safety assessment has been carried out for the relevant substances in this material by the registrant in accordance with regulation REGULATION (EC) No 1907/2006 was added.  
Section 11: Potential effects from eye contact heading was added.  
Section 11: Potential effects from skin contact heading was added.  
Section 11: Potential effects from inhalation heading was added.  
Section 11: Potential effects from ingestion heading was added.  
Section 15: Ingredient information per Regulation EC No. 648/2004 heading was added.  
Section 7: Handling heading was deleted.  
Section 7: Storage comment was deleted.  
Section 3: Potential effects from eye contact heading was deleted.  
Section 3: Potential effects from skin contact heading was deleted.  
Section 3: Potential effects from inhalation heading was deleted.  
Section 3: Potential effects from ingestion heading was deleted.  
Section 4: First aid for eye contact - decontamination - was deleted.  
Section 4: First aid for eye contact - medical assistance - was deleted.  
Section 5: Extinguishing media information was deleted.  
Section 7: Storage heading was deleted.  
Section 8: Engineering controls information was deleted.  
Section 8: Prevention of swallowing information was deleted.  
Section 10: Hazardous decomposition or by-products table was deleted.

Section 13: Waste disposal method heading was deleted.  
Section 13: Waste disposal method information was deleted.  
Section 4: First aid for skin contact - termination of exposure - was deleted.  
Section 4: First aid for skin contact - decontamination - was deleted.  
Section 4: First aid for skin contact - medical assistance - was deleted.  
Section 4: First aid for skin contact - handling - was deleted.  
Section 4: First aid for inhalation - termination of exposure - was deleted.  
Section 4: First aid for inhalation - medical assistance - was deleted.  
Section 4: First aid for ingestion (swallowing) - decontamination - was deleted.  
Section 4: First aid for ingestion (swallowing) - intervention - was deleted.  
Section 4: First aid for ingestion (swallowing) - medical assistance - was deleted.  
Section 3: Other health effects information was deleted.  
Section 6: Release measures note was deleted.  
Section 8: Respiratory protection - recommended respirators guide was deleted.  
Section 8: Skin protection - protective clothing text was deleted.  
Section 3: Ingredient phrase was deleted.  
First Aid text was deleted.  
Section 2 Risk phrases heading was deleted.  
Section 5: Unsuitable extinguishing media heading was deleted.  
Section 8: Hand Protection heading was deleted.  
Section 8: Environmental exposure controls no data available text was deleted.  
Section 8: Exposure controls heading was deleted.  
Section 8: 8.2.3. Environmental exposure controls heading was deleted.  
Section 9: Important health safety and environmental information heading was deleted.  
Section 10.1 Conditions to avoid heading was deleted.  
Section 10.2 Materials to avoid heading was deleted.  
Section 10: Hazardous decomposition products heading was deleted.  
Section 2: Risk phrase information was deleted.  
Section 11: Other Health Effects heading was deleted.  
Section 16: Restrictions on use heading was deleted.  
Section 7: Handling information was deleted.  
Section 7: Storage information was deleted.  
Section 8: Prevention of swallowing heading was deleted.  
Section 8: Eye/face protection information was deleted.  
Section 8: Respiratory protection information was deleted.  
Section 8: Skin protection information was deleted.  
Section 5: Unusual fire and explosion hazard information was deleted.  
Section 5: Fire fighting procedures information was deleted.  
Section 11: Potential effects from eye contact information was deleted.  
Section 11: Potential respiratory effects information was deleted.  
Section 11: Potential effects from ingestion information was deleted.  
Section 11: Potential effects from skin contact information was deleted.  
Section 12: No data available information was deleted.  
Section 6: Personal precautions information was deleted.  
Section 6: Environmental procedures information was deleted.  
Section 6: Methods for cleaning up information was deleted.  
Section 2: Other hazards heading was deleted.  
Section 2: Notes on labelling heading was deleted.  
Reference to R phrase explanation in Section 16 was deleted.  
Section 16: Restrictions on use was deleted.  
Section 2: Special provisions concerning the labelling of certain substances heading was deleted.

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