



## 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 Perfect It III Fast Cut Compound 09374

#### Product identification numbers

GC-8008-4370-5 GC-8008-4371-3 GC-8008-4372-1 GC-8008-4373-9 GC-8009-4540-1  
GC-8009-4541-9 GC-8010-1450-4

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

##### Identified uses

Automotive., For removal of P1500 or finer sanding scratches on automotive refinish clear coat paint with the use of appropriate compounding pads and rotary polisher

#### 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 to environment.

#### 2.2. Label elements

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

##### Symbols

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N Dangerous to environment.

**Contains:**

No ingredients are assigned to the label.

**Risk phrases**

R66 Repeated exposure may cause skin dryness or cracking.  
 R67 Vapours may cause drowsiness and dizziness.  
 R51/53 Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Safety phrases**

S23 Do not breathe gas, fumes, vapour, or spray.  
 S24 Avoid contact with skin.  
 S62 If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or label.  
 S61 Avoid release to the environment. Refer to special instructions/safety data sheets.  
 S2 Keep out of the reach of children.

**Notes on labelling**

R65 is not required on the label due to the product's viscosity.

Nota P applied to CAS 64742-82-1.

**2.3. Other hazards**

None known.

**SECTION 3: Composition/information on ingredients**

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Non-hazardous ingredients	Mixture		20 - 40	
Aluminium oxide (REACH Reg. No.:01-2119529248-35)	1344-28-1	EINECS 215-691-6	< 40	
Naphtha (petroleum), hydrodesulphurised heavy	64742-82-1	EINECS 265-185-4	20 - 40	Xn:R65 - Nota 4,P (EU) R10 (Vendor) N:R51/53; R66; R67 (Self Classified)  Asp. Tox. 1, H304 - Nota P (CLP) Flam. Liq. 3, H226 (Vendor) STOT SE 3, H336; Aquatic Chronic 2, H411 (Self Classified)
Surfactant	None		< 10	
Alkylolammonium salt	Trade Secret		1 - 5	
White mineral oil (petroleum)	8042-47-5	EINECS 232-455-8	1 - 5	Xn:R65 (Self Classified)  Asp. Tox. 1, H304 (Self Classified)
1,2,4-Trimethylbenzene	95-63-6	EINECS 202-436-9	< 1.5	Xn:R20; Xi:R36-37-38; N:R51/53; R10 (EU)  Flam. Liq. 3, H226; Acute Tox.

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				4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 2, H411 (CLP)
(Ethylenedioxy)dimethanol	3586-55-8	EINECS 222-720-6	0.1 - 1	N:R50 (Self Classified)
Mesitylene	108-67-8	EINECS 203-604-4	< 0.5	Xi:R37; N:R51/53; R10 (EU) Flam. Liq. 3, H226; STOT SE 3, H335; Aquatic Chronic 2, H411 (CLP)
Ethylbenzene	100-41-4	EINECS 202-849-4	< 0.1	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**

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 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.

**Condition**

During combustion.

Carbon dioxide.

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. 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.

### **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. Collect as much of the spilled material as possible using non-sparking tools. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An AR-AFFF type foam is recommended. 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. Place in a metal 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**

Refer to Section 8 and Section 13 for more information

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. 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. 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. Wear low static or properly grounded shoes. Use personal protective equipment (eg. gloves, respirators...) as required. Avoid breathing of dust created by cutting, sanding, grinding or machining. Vapours may travel long distances along the ground or floor to an ignition source and flash back. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

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

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

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
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
Benzene, trimethyl-	108-67-8	Health and Safety Comm. (UK)	TWA:125 mg/m <sup>3</sup> (25 ppm)	
Aluminium oxide	1344-28-1	Health and Safety Comm. (UK)	TWA(as inhalable dust):10 mg/m <sup>3</sup> ;TWA(as respirable dust):4 mg/m <sup>3</sup>	
Benzene, trimethyl-	95-63-6	Health and Safety Comm. (UK)	TWA:125 mg/m <sup>3</sup> (25 ppm)	

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 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. Use explosion-proof ventilation equipment.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

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

#### Skin/hand protection

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

#### Respiratory protection

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

Half facepiece or fullface air-purifying respirator with organic vapour cartridges and P2 particulate prefilters.

## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Liquid.
<b>Specific Physical Form:</b>	Viscous.
<b>Appearance/Odour</b>	Paraffinic odour; white liquid
<b>pH</b>	7.4 - 7.8
<b>Boiling point/boiling range</b>	<i>No data available.</i>
<b>Melting point</b>	<i>Not applicable.</i>

<b>Flammability (solid, gas)</b>	Flammable liquid: Category 3.
<b>Explosive properties</b>	Not classified
<b>Oxidising properties</b>	Not classified
<b>Flash point</b>	60 °C [ <i>Test Method</i> :Pensky-Martens Closed Cup]
<b>Autoignition temperature</b>	<i>No data available.</i>
<b>Flammable Limits(LEL)</b>	<i>No data available.</i>
<b>Flammable Limits(UEL)</b>	<i>No data available.</i>
<b>Vapour pressure</b>	<i>No data available.</i>
<b>Relative density</b>	<i>No data available.</i>
<b>Water solubility</b>	<i>No data available.</i>
<b>Partition coefficient: n-octanol/water</b>	<i>No data available.</i>
<b>Evaporation rate</b>	<i>No data available.</i>
<b>Vapour density</b>	<i>No data available.</i>
<b>Viscosity</b>	44 - 53 Pa-s
<b>Density</b>	1.1 - 1.14 g/cm <sup>3</sup>

#### 9.2. Other information

<b>Volatile organic compounds (VOC)</b>	342 g/l
<b>Percent volatile</b>	64.47 %
<b>VOC less H<sub>2</sub>O &amp; exempt solvents</b>	<i>No data available.</i>

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is considered to be non reactive under normal use conditions

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.4 Conditions to avoid

Sparks and/or flames.

High shear and high temperature conditions

### 10.5 Incompatible materials

Strong oxidising agents.

Strong acids.

Alkali and alkaline earth metals.

### 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

Contact with the eyes during product use is not expected to result in significant irritation. Dust created by cutting, grinding, sanding, or machining may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

#### Skin contact

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

#### Inhalation

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat pain. May cause target organ effects after inhalation.

#### Ingestion

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

#### Target Organ Effects:

Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Prolonged or repeated exposure may cause:

Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

#### Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

#### Toxicological Data

##### Acute Toxicity

Name	Route	Species	Value	UN GHS Classification
Overall product	Ingestion		No test data available; calculated ATE >5,000 mg/kg	Not classified (3% unknown)
Naphtha (petroleum), hydrodesulphurised heavy	Dermal	Rabbit	LD50 > 3,000 mg/kg	Category5
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation-Vapor (4 hours)	Rat	LC50 estimated to be 20 - 50 mg/l	Category5
Naphtha (petroleum), hydrodesulphurised heavy	Ingestion	Rat	LD50 > 5,000 mg/kg	Not classified
Aluminium oxide	Inhalation-Dust/Mist (4 hours)	Rabbit	LC50 > 1.9 mg/l	Not classified
Aluminium oxide	Ingestion	Rat	LD50 > 5,000 mg/kg	Not classified
Surfactant	Ingestion	Rat	LD50 > 38,000 mg/kg	Not classified
White mineral oil (petroleum)	Ingestion	Rat	LD50 > 5,000 mg/kg	Not classified
1,2,4-Trimethylbenzene	Dermal	Rabbit	LD50 > 3,160 mg/kg	Category5
1,2,4-Trimethylbenzene	Inhalation-Vapor	Rat	LC50 18 mg/l	Category4

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	(4 hours)			
1,2,4-Trimethylbenzene	Ingestion	Rat	LD50 3,400 mg/kg	Category5
Mesitylene	Dermal	Rabbit	LD50 > 3,160 mg/kg	Category5
Mesitylene	Inhalation-Vapor (4 hours)	Rat	LC50 18 mg/l	Category4
Mesitylene	Ingestion	Rat	LD50 3,400 mg/kg	Category5
(Ethylenedioxy)dimethanol			No data available	
Ethylbenzene	Dermal	Rabbit	LD50 15,433 mg/kg	Not classified
Ethylbenzene	Inhalation-Vapor (4 hours)	Rat	LC50 17 mg/l	Category4
Ethylbenzene	Ingestion	Rat	LD50 4,769 mg/kg	Category5

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to be mild irritant	Category 3
Naphtha (petroleum), hydrodesulphurised heavy		Mild irritant	Category 3
Aluminium oxide		No data available	
Surfactant		No data available	
White mineral oil (petroleum)		Minimal irritation	Not classified
1,2,4-Trimethylbenzene		Mild irritant	Category 3
Mesitylene		Mild irritant	Category 3
(Ethylenedioxy)dimethanol		No data available	
Ethylbenzene		Mild irritant	Category 3

**Serious Eye Damage/Irritation**

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to cause no significant irritation	Not classified
Naphtha (petroleum), hydrodesulphurised heavy		Mild irritant	Not classified
Aluminium oxide		No data available	
Surfactant		No data available	
White mineral oil (petroleum)		Mild irritant	Not classified
1,2,4-Trimethylbenzene		Moderate irritant	Category 2B
Mesitylene		Moderate irritant	Category 2B
(Ethylenedioxy)dimethanol		No data available	
Ethylbenzene		Moderate irritant	Category 2B

**Skin Sensitisation**

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on component data
Naphtha (petroleum), hydrodesulphurised heavy		Not sensitizing	Not classified
Aluminium oxide		No data available	
Surfactant		No data available	
White mineral oil (petroleum)		Not sensitizing	Not classified
1,2,4-Trimethylbenzene		Not sensitizing	Not classified
Mesitylene		Not sensitizing	Not classified
(Ethylenedioxy)dimethanol		No data available	
Ethylbenzene		Not sensitizing	Not classified

**Respiratory Sensitisation**

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on



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			component data
Naphtha (petroleum), hydrodesulphurised heavy		No data available	
Aluminium oxide		No data available	
Surfactant		No data available	
White mineral oil (petroleum)		No data available	
1,2,4-Trimethylbenzene		No data available	
Mesitylene		No data available	
(Ethylenedioxy)dimethanol		No data available	
Ethylbenzene		No data available	

**Germ Cell Mutagenicity**

Name	Route	Value	UN GHS Classification
Overall product		No data available	Overall Germ Cell Mutagenicity classification Not classified
Overall product		No test data available.	
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	Not mutagenic	Not classified
Naphtha (petroleum), hydrodesulphurised heavy	In Vitro	Some positive data exist, but the data are not sufficient for classification	Not classified
Aluminium oxide	In Vitro	Not mutagenic	Not classified
Surfactant		No data available	
White mineral oil (petroleum)	In Vitro	Not mutagenic	Not classified
1,2,4-Trimethylbenzene	In Vitro	Not mutagenic	Not classified
Mesitylene	In Vitro	Not mutagenic	Not classified
(Ethylenedioxy)dimethanol		No data available	
Ethylbenzene	In Vitro	Some positive data exist, but the data are not sufficient for classification	Not classified

**Carcinogenicity**

Name	Route	Species	Value	UN GHS Classification
Overall product			No test data available.	Category 2 based on component data
Naphtha (petroleum), hydrodesulphurised heavy	Dermal		Some positive data exist, but the data are not sufficient for classification	Not classified
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation		Some positive data exist, but the data are not sufficient for classification	Not classified
Aluminium oxide	Inhalation		Not carcinogenic	Not classified
Surfactant			No data available	
White mineral oil (petroleum)	Dermal		Not carcinogenic	Not classified
White mineral oil (petroleum)	Inhalation		Not carcinogenic	Not classified
1,2,4-Trimethylbenzene			No data available	
Mesitylene			No data available	
(Ethylenedioxy)dimethanol			No data available	
Ethylbenzene	Inhalation		Carcinogenic.	Category 2

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

Name	Route	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product		No test data available.				Not classified based on

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						component data
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	Not toxic to reproduction and/or development		NOAEL 2.356 mg/l		
Aluminium oxide		No data available				
Surfactant		No data available				
White mineral oil (petroleum)	Ingestion	Not toxic to reproduction and/or development		NOAEL 4,350 mg/kg/day		
1,2,4-Trimethylbenzene	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL 1.5 mg/l		
Mesitylene	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL 1.5 mg/l		
(Ethylenedioxy)dimethanol		No data available				
Ethylbenzene	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		LOEL 0.43 mg/l		

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

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification		NOEL 6.5 mg/l		Not classified
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		NOEL 2.4 mg/l		Not classified
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	heart	All data are negative		NOAEL 2.5 mg/l		Not classified
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	liver	All data are negative		NOAEL 0.610 mg/l		Not classified

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urised heavy							
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	muscles	All data are negative		NOAEL 0.61 mg/l		Not classified
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	kidney and/or bladder	All data are negative		NOAEL 0.610 mg/l		Not classified
Aluminium oxide	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified
Surfactant			No data available				
White mineral oil (petroleum)			No data available				
1,2,4-Trimethylbenzene	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
1,2,4-Trimethylbenzene	Inhalation	respiratory irritation	May cause respiratory irritation		Irritation Positive		Category 3
1,2,4-Trimethylbenzene	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification		LOAEL 3.8 mg/l		Not classified
1,2,4-Trimethylbenzene	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
Mesitylene	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
Mesitylene	Inhalation	respiratory irritation	May cause respiratory irritation		Irritation Positive		Category 3
Mesitylene	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification		LOAEL 3.8 mg/l		Not classified
Mesitylene	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
(Ethylenedioxy)dimethanol			No data available				
Ethylbenzene	Inhalation	central nervous system depression	May cause drowsiness or dizziness		LOAEL 0.43 mg/l		Category 3
Ethylbenzene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for		Irritation Positive		Not classified

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			classification			
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**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product			No test data available.				Category 2 based on component data
Naphtha (petroleum), hydrodesulphurised heavy	Dermal	nervous system	Some positive data exist, but the data are not sufficient for classification		LOEL 691 mg/kg		Not classified
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	endocrine system   muscles	Some positive data exist, but the data are not sufficient for classification		LOEL 0.616 mg/l		Not classified
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification		LOEL 4.580 mg/l		Not classified
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOEL 0.57 mg/l		Not classified
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		NOEL 0.619 mg/l		Not classified
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	heart	All data are negative		NOAEL 1.271 mg/l		Not classified
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	bone, teeth, nails, and/or hair   blood   liver	All data are negative		NOAEL 5.62 mg/l		Not classified
Naphtha (petroleum), hydrodesulphurised heavy	Inhalation	immune system	All data are negative		NOAEL 0.616 mg/l		Not classified
Aluminium oxide	Inhalation	pneumoconiosis	May cause damage to organs though prolonged or repeated exposure		NOAEL N/A		Category 2
Aluminium oxide	Inhalation	pulmonary fibrosis	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A		Not classified
White mineral oil (petroleum)	Ingestion	hematopoietic system	Some positive data exist, but the data are not sufficient for classification		LOEL 340 mg/kg/day		Not classified
White mineral oil (petroleum)	Ingestion	liver   immune system	Some positive data exist, but the data are not sufficient for classification		NOEL 6.4 mg/kg/day		Not classified
Surfactant			No data available				
1,2,4-Trimethylbenzene	Inhalation	hematopoietic system   nervous	Some positive data exist, but the data are not sufficient		LOAEL 0.1 mg/l		Not classified

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		system	for classification				
1,2,4-Trimethylbenzene	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A		Not classified
1,2,4-Trimethylbenzene	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 0.5 mg/l		Not classified
1,2,4-Trimethylbenzene	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 0.1 mg/l		Not classified
1,2,4-Trimethylbenzene	Inhalation	heart   endocrine system   immune system	All data are negative		NOAEL 1.2 mg/l		Not classified
1,2,4-Trimethylbenzene	Ingestion	hematopoietic system   liver   immune system   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOEL 100 mg/kg/day		Not classified
Mesitylene	Inhalation	hematopoietic system   nervous system	Some positive data exist, but the data are not sufficient for classification		LOAEL 0.1 mg/l		Not classified
Mesitylene	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A		Not classified
Mesitylene	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 0.5 mg/l		Not classified
Mesitylene	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 0.1 mg/l		Not classified
Mesitylene	Inhalation	heart   endocrine system   immune system	All data are negative		NOAEL 1.2 mg/l		Not classified
Mesitylene	Ingestion	hematopoietic system   liver   immune system   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		LOEL 100 mg/kg/day		Not classified
(Ethylenedioxy)dimethanol			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

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Ethylbenzene	Inhalation	auditory system	Some positive data exist, but the data are not sufficient for classification		NOEL 1.3 mg/l		Not classified
Ethylbenzene	Inhalation	endocrine system	Some positive data exist, but the data are not sufficient for classification		NOEL 0.32 mg/l		Not classified
Ethylbenzene	Inhalation	hematopoietic system	Some positive data exist, but the data are not sufficient for classification		NOEL 1.6 mg/l		Not classified
Ethylbenzene	Inhalation	heart	All data are negative		NOAEL 3.2 mg/l		Not classified
Ethylbenzene	Inhalation	bone, teeth, nails, and/or hair	All data are negative		NOAEL 4.2 mg/l		Not classified
Ethylbenzene	Inhalation	immune system	All data are negative		NOAEL 3.2 mg/l		Not classified
Ethylbenzene	Inhalation	muscles	All data are negative		NOAEL 4.2 mg/l		Not classified
Ethylbenzene	Inhalation	respiratory system	All data are negative		NOAEL 3.2 mg/l		Not classified
Ethylbenzene	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification		NOEL 136 mg/kg/day		Not classified
Ethylbenzene	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 136 mg/kg		Not classified

**Aspiration Hazard**

Name	Value	UN GHS Classification
Overall product	No test data available.	Not classified based on component and/or viscosity data
Naphtha (petroleum), hydrodesulphurised heavy	Aspiration hazard	Category 1
Aluminium oxide	Not an aspiration hazard	Not classified
Surfactant	Not an aspiration hazard	Not classified
White mineral oil (petroleum)	Aspiration hazard	Category 1
1,2,4-Trimethylbenzene	Aspiration hazard	Category 1
Mesitylene	Aspiration hazard	Category 1
(Ethylenedioxy)dimethanol	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**

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GHS Acute 2: Toxic to aquatic life with long lasting effects.

**Chronic aquatic hazard:**

GHS Chronic 2: Toxic to aquatic life with long lasting effects.

No product test data available.

Material	CAS Nbr	Organism	Type	Exposure	Test endpoint	Test result
Naphtha (petroleum), hydrodesulphurised heavy	64742-82-1		Laboratory	96 hours	LC50	2.6 mg/l

**12.2. Persistence and degradability**

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
White mineral oil (petroleum)	8042-47-5	Biodegradation	28 days	CO2 evolution	0 % weight	OECD 301B - Modified sturm or CO2
Naphtha (petroleum), hydrodesulphurised heavy	64742-82-1	Biodegradation	28 days	Percent degraded	75 % weight	OECD 301F - Manometric respirometry

**12.3 : Bioaccumulative potential**

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Naphtha (petroleum), hydrodesulphurised heavy	64742-82-1	Bioaccumulation		Bioaccumulation factor	>1000	Other methods

**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.

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

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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  
120109\* Machining emulsions and solutions free of halogens

## SECTION 14: Transportation information

GC-8008-4370-5, GC-8008-4371-3, GC-8008-4372-1, GC-8008-4373-9,  
GC-8009-4540-1, GC-8009-4541-9

**ADR/RID:** UN1263, PAINT, LIMITED QUANTITY, 3., III, (--), ADR Classification Code: F1.

**IMDG-CODE:** UN1263, PAINTS, 3, III, LIMITED QUANTITY, Marine Pollutant, (NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY), EMS: FE,SE.

**ICAO/IATA:** FORBIDDEN: IATA PRESSURE TEST ACC. 5.0.2.9 NOT PERFORMED ONPACKAGE

GC-8010-1450-4

**ADR/RID:** UN1263, PAINT, LIMITED QUANTITY, 3., III, (--), ADR Classification Code: F1.

**IMDG-CODE:** UN1263, PAINTS, 3, III, LIMITED QUANTITY, EMS: FE,SE.

**ICAO/IATA:** FORBIDDEN: IATA PRESSURE TEST ACC. 5.0.2.9 NOT PERFORMED ONPACKAGE

## SECTION 15: Regulatory information

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

#### Carcinogenicity

##### Ingredient

Ethylbenzene

##### CAS Nbr

100-41-4

##### Classification

Grp. 2B: Possible human  
carc.

##### Regulation

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 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.

### 15.2. Chemical Safety Assessment

Not applicable

## SECTION 16: Other information

### List of relevant H statements

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.



H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

**List of relevant R-phrases**

R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R50	Very toxic to aquatic organisms.
R51/53	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R65	Harmful: May cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

**Revision information:**

Revision Changes:

Risk phrase was modified.

Safety phrase was modified.

Section 9: pH information was modified.

Section 1: Product use information was modified.

Section 2: Symbol was modified.

Section 1: Product identification numbers was modified.

Section 9: Evaporation Rate information was modified.

Section 9: Viscosity information was modified.

Section 15: Carcinogenicity information was modified.

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

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

Section 9: n-octanol/water coefficient information was modified.

Section 9: Boiling point information was modified.

Section 9: Relative density information was modified.

Section 9: Solubility in water value was modified.

Section 13: EU waste code (product as sold) information was modified.

Section 12: Component ecotoxicity information was modified.

Section 12: Persistence and Degradability information was modified.

Copyright was modified.

Section 9: Flash point information was modified.

Section 9: Melting point information was modified.

Section 9: Flammable limits (LEL) information was modified.

Section 9: Flammable limits (UEL) information was modified.

Section 9: Vapour density value was modified.

Section 9: Vapour pressure value was modified.

Section 9: Density information was modified.

Section 9: Property description for optional properties was modified.

Section 8: Occupational exposure limit table was modified.

Section 8: mg/m<sup>3</sup> key 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 5: Hazardous combustion products table was modified.  
Section 10: Hazardous decomposition or by-products table was modified.  
Section 13: Standard Phrase Category Waste GHS was modified.  
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. was modified.  
Section 12:Biocumulative potential information was added.  
Section 12:Biocumulative potential table Material column header was added.  
Section 12:Biocumulative potential table CAS No column header was added.  
Section 12:Biocumulative potential table CAS No column header was added.  
Section 12:Biocumulative potential table Test Result column header was added.  
Section 12:Biocumulative potential table Protocol column header was added.  
Section 12:Biocumulative potential table Test Type column header was added.  
Section 12: No PBT/vPvB information available warning was added.  
Section 12:Biocumulative potential table Test Type column header was added.  
Section 9: Autoignition temperature information was added.  
Prints No Data if Biocumulative potential information is not present was deleted.  
Section 12: PBT/vPvB table CAS No. column heading was deleted.  
Section 12: PBT/vPvB table CAS No. column heading was deleted.  
Section 12: PBT/vPvB table PBT/vPvB Status column heading was deleted.  
Section 12: PBT/vPvB table row 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.

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