



## 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 Epoxy Coating 175UC, Light Grey (Part A)

#### Product identification numbers

GR-2001-0734-4 GR-2001-0736-9 GR-2001-0737-7 GR-2001-0742-7 GR-2001-0771-6  
GR-2001-0837-5 GR-2001-0839-1

#### 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

Sensitizing; R43

Dangerous for the environment; N; R51/53

For full text of R phrases, see Section 16.

#### 2.2. Label elements

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

**3M Scotchkote Epoxy Coating 175UC, Light Grey (Part A)****Symbols**

Xi Irritant.  
N Dangerous to environment.

**Contains:**

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol; Phenol-formaldehyde polymer, glycidyl ether

**Risk phrases**

R43 May cause sensitisation by skin contact.  
R51/53 Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Safety phrases**

S23A Do not breathe vapour.  
S24 Avoid contact with skin.  
S37 Wear suitable gloves.  
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.

**Special provisions concerning the labelling of certain substances**

Contains epoxy resins. See information supplied by manufacturer.

**Notes on labelling**

Nota P applies CAS 64742-95-6.

**2.3. Other hazards**

None known.

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

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Phenol-formaldehyde polymer, glycidyl ether	28064-14-4		60 - 80	N:R51/53 (Vendor) R43 (Self Classified)  Aquatic Chronic 2, H411 (Vendor) Skin Sens. 1, H317 (Self Classified)
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	9003-36-5	NLP 500-006-8	10 - 20	Xi:R36-38; N:R51/53; R43 (Vendor)  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 2, H411 (Vendor)
Dimethyl siloxane, reaction product with silica	67762-90-7		1 - 5	
Pine oil	8002-09-3		< 2	Xi:R36-38 (Self Classified)  Skin Irrit. 2, H315; Eye Irrit. 2,

### 3M Scotchkote Epoxy Coating 175UC, Light Grey (Part A)

				H319 (Self Classified)
Solvent naphtha (petroleum), light aromatic	64742-95-6	EINECS 265-199-0	< 1	Xn:R65 - Nota 4,P (EU) R10 (Vendor) R66; R67 (Self Classified)  Asp. Tox. 1, H304 - Nota P (CLP) Flam. Liq. 3, H226 (Vendor) STOT SE 3, H336; EUH066 (Self Classified)

Please see section 16 for the full text of any R phrases and H statements referred to in this section

Please refer to section 15 for the any applicable Notas that have been applied to the above components

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### 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 ordinary combustible material such as water or foam.

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

None inherent in this product.

### Hazardous Decomposition or By-Products

#### Substance

Carbon monoxide.  
Carbon dioxide.

#### Condition

During combustion.  
During combustion.

### 5.3. Advice for fire-fighters

No unusual fire or explosion hazards are anticipated.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

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

### **6.2. Environmental precautions**

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

### **6.3. Methods and material for containment and cleaning up**

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

### **6.4. Reference to other sections**

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. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

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

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

### **7.3. Specific end use(s)**

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

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **Occupational exposure limits**

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

### **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)**

## 3M Scotchkote Epoxy Coating 175UC, Light Grey (Part A)

### 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.

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

<b>Physical state</b>	Liquid.
<b>Specific Physical Form:</b>	Thixotropic liquid.
<b>Appearance/Odour</b>	Light grey colour; Faint epoxy odour.
<b>pH</b>	<i>No data available.</i>
<b>Boiling point/boiling range</b>	> 200 °C
<b>Melting point</b>	<i>Not applicable.</i>
<b>Flammability (solid, gas)</b>	Not classified
<b>Explosive properties</b>	Not classified
<b>Oxidising properties</b>	Not classified
<b>Flash point</b>	>=200 °C [ <i>Test Method</i> :Closed Cup]
<b>Autoignition temperature</b>	>=300 °C
<b>Flammable Limits(LEL)</b>	<i>No data available.</i>
<b>Flammable Limits(UEL)</b>	<i>No data available.</i>
<b>Vapour pressure</b>	<=133.3 Pa [ <i>@ 20 °C</i> ]
<b>Relative density</b>	1.18 [ <i>Ref Std</i> :WATER=1]
<b>Water solubility</b>	0 %
<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>	<i>No data available.</i>
<b>Density</b>	1.18 g/ml

### 9.2. Other information

<b>Volatile organic compounds (VOC)</b>	4 g/l [ <i>Test Method</i> :Estimated] [ <i>Details</i> :Part A and B mix (EU Definition)]
<b>Percent volatile</b>	0.7 % weight

## 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

Avoid curing large quantities of material to prevent a premature reaction (exotherm) with production of intense heat and smoke.

### 10.5 Incompatible materials

Accelerators

Amines.

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

Strong acids.

Strong bases.

Strong oxidising agents.

### 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

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.

**3M Scotchkote Epoxy Coating 175UC, Light Grey (Part A)****Ingestion**

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

**Toxicological Data****Acute Toxicity**

Name	Route	Species	Value
Overall product	Ingestion		No test data available; calculated ATE >5,000 mg/kg
Phenol-formaldehyde polymer, glycidyl ether			No data available
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol			No data available
Dimethyl siloxane, reaction product with silica			No data available
Pine oil			No data available
Solvent naphtha (petroleum), light aromatic			No data available

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
Phenol-formaldehyde polymer, glycidyl ether		Minimal irritation
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		No data available
Dimethyl siloxane, reaction product with silica		No data available
Pine oil		No data available
Solvent naphtha (petroleum), light aromatic		No data available

**Serious Eye Damage/Irritation**

Name	Species	Value
Phenol-formaldehyde polymer, glycidyl ether		Mild irritant
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		No data available
Dimethyl siloxane, reaction product with silica		No data available
Pine oil		No data available
Solvent naphtha (petroleum), light aromatic		No data available

**Skin Sensitisation**

Name	Species	Value
Phenol-formaldehyde polymer, glycidyl ether		Sensitising
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		No data available
Dimethyl siloxane, reaction product with silica		No data available
Pine oil		No data available
Solvent naphtha (petroleum), light aromatic		No data available

**Respiratory Sensitisation**

Name	Species	Value
Phenol-formaldehyde polymer, glycidyl ether		No data available
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		No data available
Dimethyl siloxane, reaction product with silica		No data available
Pine oil		No data available
Solvent naphtha (petroleum), light aromatic		No data available

**3M Scotchkote Epoxy Coating 175UC, Light Grey (Part A)****Germ Cell Mutagenicity**

Name	Route	Value
Phenol-formaldehyde polymer, glycidyl ether		No data available
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		No data available
Dimethyl siloxane, reaction product with silica		No data available
Pine oil		No data available
Solvent naphtha (petroleum), light aromatic		No data available

**Carcinogenicity**

Name	Route	Species	Value
Phenol-formaldehyde polymer, glycidyl ether			No data available
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol			No data available
Dimethyl siloxane, reaction product with silica			No data available
Pine oil			No data available
Solvent naphtha (petroleum), light aromatic			No data available

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

Name	Route	Value	Species	Test result	Exposure Duration
Phenol-formaldehyde polymer, glycidyl ether		No data available			
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		No data available			
Dimethyl siloxane, reaction product with silica		No data available			
Pine oil		No data available			
Solvent naphtha (petroleum), light aromatic		No data available			

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

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Phenol-formaldehyde polymer, glycidyl ether			No data available			
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol			No data available			
Dimethyl			No data available			



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siloxane, reaction product with silica						
Pine oil			No data available			
Solvent naphtha (petroleum), light aromatic			No data available			

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Phenol-formaldehyde polymer, glycidyl ether			No data available			
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol			No data available			
Dimethyl siloxane, reaction product with silica			No data available			
Pine oil			No data available			
Solvent naphtha (petroleum), light aromatic			No data available			

**Aspiration Hazard**

Name	Value
Phenol-formaldehyde polymer, glycidyl ether	Not an aspiration hazard
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	Not an aspiration hazard
Dimethyl siloxane, reaction product with silica	Not an aspiration hazard
Pine oil	Not an aspiration hazard
Solvent naphtha (petroleum), light aromatic	Not an aspiration hazard

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

**SECTION 12: Ecological information**

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

**12.1. Toxicity****Acute aquatic hazard:**

### 3M Scotchkote Epoxy Coating 175UC, Light Grey (Part A)

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.

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. Dispose of waste product in a permitted industrial 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)**

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

## SECTION 14: Transportation information

GR-2001-0734-4, GR-2001-0742-7, GR-2001-0771-6, GR-2001-0837-5

**ADR/RID:** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. LIMITED QUANTITY, (PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER AND EPICHLOROHYDRIN-PHENOL-FORMALDEHYDE RESIN), 9., III, (--), ADR Classification Code: M6.

**IMDG-CODE:** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER AND EPICHLOROHYDRIN-PHENOL-FORMALDEHYDE RESIN), 9., III, LIMITED QUANTITY, EMS: FA, SF.

**ICAO/IATA:** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (PHENOL-

## 3M Scotchkote Epoxy Coating 175UC, Light Grey (Part A)

FORMALDEHYDE POLYMER GLYCIDYL ETHER AND EPICHLOROHYDRIN-PHENOL-FORMALDEHYDE RESIN), 9., III, fish and tree marking may be required (> 5kg/l).

GR-2001-0736-9, GR-2001-0737-7, GR-2001-0839-1

**ADR/RID:** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER AND EPICHLOROHYDRIN-PHENOL-FORMALDEHYDE RESIN), 9., III, (E), ENVIRONMENTALLY HAZARDOUS, ADR Classification Code: M6.

**IMDG-CODE:** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER AND EPICHLOROHYDRIN-PHENOL-FORMALDEHYDE RESIN), 9., III, EMS: FA, SF.

**ICAO/IATA:** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER AND EPICHLOROHYDRIN-PHENOL-FORMALDEHYDE RESIN), 9., III, fish and tree marking may be required (> 5kg/l).

## SECTION 15: Regulatory information

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

#### Global inventory status

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 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

EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

### List of relevant R-phrases

R10	Flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
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:

### **3M Scotchkote Epoxy Coating 175UC, Light Grey (Part A)**

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.  
Section 2: Indication of danger information 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 7: Conditions safe storage 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 8: Respiratory protection - recommended respirators guide was added.  
Section 2: R phrase reference was added.  
Section 11: UN GHS Classification table heading 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](http://www.3M.com/uk)**