

# **Safety Data Sheet**

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This Safety Data Sheet has been prepared in accordance with the Malaysia Occupational Safety and Health (Chemical Classification, Labelling and Safety Data Sheets) Regulations 2013.

# **SECTION 1: Identification**

### 1.1. Product identifier

3M<sup>™</sup> Scotch-Weld<sup>™</sup> Epoxy Adhesive DP110 Gray, Part B or Epoxy Adhesive 110 Gray, Part B

**Product Identification Numbers** 62-3533-8531-3

#### 1.2. Recommended use and restrictions on use

#### **Recommended use** Structural adhesive

#### 1.3. Supplier's details

ADDRESS:3M Malaysia Sdn. Bhd., Level 8, Block F, Oasis Square, No.2, Jalan PJU 1A/7A, Ara Damansara 47301<br/>Petaling, Jaya, SelangorTelephone:03-7884 2888E Mail:3mmyehsr@mmm.com<br/>www.3M.com.my

**1.4. Emergency telephone number** +60 03-7884 2888

# **SECTION 2: Hazard identification**

### 2.1. Classification of the substance or mixture

Serious Eye Damage/Irritation: Category 2. Skin Sensitizer: Category 1. Acute Aquatic Toxicity: Category 1. Chronic Aquatic Toxicity: Category 2.

2.2. Label elements Signal word Warning

Symbols Exclamation mark | Environment |



Hazard Statements H319 H317	Causes serious eye irritation. May cause an allergic skin reaction.
H400 H411	Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention: P280E P273	Wear protective gloves. Avoid release to the environment.
<b>Response:</b> P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
<b>Disposal:</b> P501	Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

**2.3. Other hazards** None known

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

### This material is a mixture.

Ingredient	C.A.S. No.	% by Wt
Epoxy Resin	25068-38-6	60 - 90
Methacrylate/Butadiene/Styrene Polymer	25053-09-2	10 - 30
Hydrogenated Terphenyl	61788-32-7	5 - 10
Hydrogenated Polyphenyls	68956-74-1	<= 1.5
Titanium Dioxide	13463-67-7	0.1 - 1.1
TERPHENYL	26140-60-3	0.1 - 0.75

# **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

#### Inhalation:

Remove person to fresh air. If you feel unwell, get medical attention.

### **Skin Contact:**

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

## **Eye Contact:**

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

### If Swallowed:

Rinse mouth. If you feel unwell, get medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1. Information on toxicological effects.

# **4.3.** Indication of any immediate medical attention and special treatment required

Not applicable

# **SECTION 5:** Fire-fighting measures

### 5.1. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

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

None inherent in this product.

### Hazardous Decomposition or By-Products

<u>Substance</u>	<b><u>Condition</u></b>
Aldehydes	During Combustion
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion
Hydrogen Chloride	During Combustion

### 5.3. Special protective actions for fire-fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

# **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 vapors, in accordance with good industrial hygiene practice. 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 dikes to prevent entry into sewer systems or bodies of water.

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

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 physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

# **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

For industrial/occupational use only. Not for consumer sale or use. Avoid breathing dust/fume/gas/mist/vapors/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 oxidizing agents (eg. chlorine, chromic acid etc.)

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

Store away from oxidizing agents.

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

### 8.1. Control parameters

### **Occupational exposure limits**

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
Titanium Dioxide	13463-67-7	ACGIH	TWA:10 mg/m3	A4: Not class. as human
				carcin
Titanium Dioxide	13463-67-7	Malaysia OELs	TWA(8 hours):10 mg/m3	
TERPHENYL	26140-60-3	ACGIH	CEIL:5 mg/m3	
TERPHENYL	26140-60-3	Malaysia OELs	CEIL:5 mg/m3(0.5 ppm)	
Hydrogenated Terphenyl	61788-32-7	ACGIH	TWA:0.5 ppm	
Hydrogenated Terphenyl	61788-32-7	Malaysia OELs	TWA(8 hours):4.9 mg/m3(0.5	
			ppm)	

ACGIH : American Conference of Governmental Industrial Hygienists

CMRG : Chemical Manufacturer's Recommended Guidelines

Malaysia OELs : Malaysia. Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

**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/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

### 8.2.2. Personal protective equipment (PPE)

#### **Eye/face protection**

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended: Indirect Vented Goggles

#### **Skin/hand protection**

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity. Gloves made from the following material(s) are recommended: Polymer laminate

### **Respiratory protection**

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

# **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical propertie	S	
Physical state	Liquid	
Specific Physical Form:	Paste	
Appearance/Odor	White, very slight odor.	
Odor threshold	No Data Available	
рН	Not Applicable	
Melting point/Freezing point	Not Applicable	
Boiling point/Initial boiling point/Boiling range	>=260 °C	
Flash Point	>=248.9 °C [Test Method:Closed Cup]	
Evaporation rate	Not Applicable	
Flammability (solid, gas)	Not Applicable	
Flammable Limits(LEL)	Not Applicable	
Flammable Limits(UEL)	Not Applicable	
Vapor Pressure	Not Applicable	
Vapor Density	Not Applicable	
Density	1.14 g/ml	
Relative Density	1.14 [ <i>Ref Std</i> :WATER=1]	
Water solubility	Nil	
Solubility- non-water	No Data Available	
Partition coefficient: n-octanol/ water	No Data Available	
Autoignition temperature	No Data Available	
Decomposition temperature	No Data Available	
Viscosity	45,000 - 65,000 mPa-s [@ 23 °C ]	
Molecular weight	No Data Available	
VOC Less H2O & Exempt Solvents	0 g/l [Test Method:calculated SCAQMD rule 443.1]	
	[Details: when used as intended with Part A]	
VOC Less H2O & Exempt Solvents	0 g/l [Test Method:calculated SCAQMD rule 443.1] [Details:as	
	supplied]	
VOC Less H2O & Exempt Solvents	0 % [Test Method:calculated SCAQMD rule 443.1]	
	[Details: when used as intended with Part A]	

# **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 polymerization will not occur.

## **10.4.** Conditions to avoid

Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature exothermic reaction with production of intense heat and smoke.

### 10.5. Incompatible materials

Strong oxidizing agents

## 10.6. Hazardous decomposition products

Substance

**Condition** 

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

# **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 labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure

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

### Inhalation:

No health effects are expected.

#### **Skin Contact:**

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

#### **Eye Contact:**

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

#### **Ingestion:**

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

### **Toxicological Data**

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

### Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Epoxy Resin	Dermal	Rat	LD50 > 1,600 mg/kg
Epoxy Resin	Ingestion	Rat	LD50 > 1,000 mg/kg
Methacrylate/Butadiene/Styrene Polymer	Dermal	Rabbit	LD50 > 5,000 mg/kg
Methacrylate/Butadiene/Styrene Polymer	Ingestion	Rat	LD50 > 5,000 mg/kg
Hydrogenated Terphenyl	Dermal	Rabbit	LD50 6,800 mg/kg
Hydrogenated Terphenyl	Inhalation-	Rat	LC50 > 11.1 mg/l
	Dust/Mist		
	(4 hours)		
Hydrogenated Terphenyl	Ingestion	Rat	LD50 > 10,000 mg/kg
Titanium Dioxide	Dermal	Rabbit	LD50 > 10,000 mg/kg
Titanium Dioxide	Inhalation-	Rat	LC50 > 6.82 mg/l
	Dust/Mist		
	(4 hours)		
Titanium Dioxide	Ingestion	Rat	LD50 > 10,000 mg/kg
TERPHENYL	Dermal	Rabbit	LD50 > 5,000 mg/kg
TERPHENYL	Inhalation-	Rat	LD50 > 3.8 mg/l
	Dust/Mist		-
	(4 hours)		

TERPHENYL	Ingestion	Rat	LD50 2,304 mg/kg
$\Lambda TE = aguta taxiaity actimata$			

ATE = acute toxicity estimate

## **Skin Corrosion/Irritation**

Name	Species	Value
Epoxy Resin	Rabbit	Mild irritant
Methacrylate/Butadiene/Styrene Polymer	Professio nal judgemen t	Minimal irritation
Hydrogenated Terphenyl	Rabbit	No significant irritation
Titanium Dioxide	Rabbit	No significant irritation
TERPHENYL	Rabbit	No significant irritation

## **Serious Eye Damage/Irritation**

Name	Species	Value
Epoxy Resin	Rabbit	Moderate irritant
Methacrylate/Butadiene/Styrene Polymer	Professio nal judgemen t	Mild irritant
Hydrogenated Terphenyl	Rabbit	No significant irritation
Titanium Dioxide	Rabbit	No significant irritation
TERPHENYL	Rabbit	No significant irritation

#### **Skin Sensitization**

Name	Species	Value
Epoxy Resin	Human	Sensitizing
	and	
	animal	
Hydrogenated Terphenyl	Human	Not classified
Titanium Dioxide	Human	Not classified
	and	
	animal	

#### **Respiratory Sensitization**

Name	Species	Value
Epoxy Resin	Human	Not classified

### Germ Cell Mutagenicity

Name	Route	Value
Epoxy Resin	In vivo	Not mutagenic
Epoxy Resin	In Vitro	Some positive data exist, but the data are not sufficient for classification
Hydrogenated Terphenyl	In vivo	Not mutagenic
Titanium Dioxide	In Vitro	Not mutagenic
Titanium Dioxide	In vivo	Not mutagenic
TERPHENYL	In Vitro	Not mutagenic
TERPHENYL	In vivo	Not mutagenic

## Carcinogenicity

Name	Route	Species	Value
Epoxy Resin	Dermal	Mouse	Some positive data exist, but the data are not
			sufficient for classification
Titanium Dioxide	Ingestion	Multiple	Not carcinogenic
	-	animal	
		species	

Titanium Dioxide	Inhalation	Rat	Carcinogenic

### **Reproductive Toxicity**

### **Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test Result	Exposure Duration
Epoxy Resin	Ingestion	Not classified for female reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
Epoxy Resin	Ingestion	Not classified for male reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
Epoxy Resin	Dermal	Not classified for development	Rabbit	NOAEL 300 mg/kg/day	during organogenesis
Epoxy Resin	Ingestion	Not classified for development	Rat	NOAEL 750 mg/kg/day	2 generation
Hydrogenated Terphenyl	Ingestion	Not classified for female reproduction	Rat	NOAEL 81 mg/kg/day	2 generation
Hydrogenated Terphenyl	Ingestion	Not classified for male reproduction	Rat	NOAEL 62 mg/kg/day	2 generation
Hydrogenated Terphenyl	Ingestion	Not classified for development	Rat	NOAEL 500 mg/kg/day	2 generation

### Target Organ(s)

### Specific Target Organ Toxicity - single exposure

For the component/components, either no data are currently available or the data are not sufficient for classification.

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Epoxy Resin	Dermal	liver	Not classified	Rat	NOAEL 1,000 mg/kg/day	2 years
Epoxy Resin	Dermal	nervous system	Not classified	Rat	NOAEL 1,000 mg/kg/day	13 weeks
Epoxy Resin	Ingestion	auditory system   heart   endocrine system   hematopoietic system   liver   eyes   kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Hydrogenated Terphenyl	Inhalation	liver	Not classified	Rat	NOAEL 0.5 mg/l	90 days
Hydrogenated Terphenyl	Ingestion	endocrine system   blood   liver   kidney and/or bladder	Not classified	Rat	NOAEL 144 mg/kg/day	14 weeks
Titanium Dioxide	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 0.01 mg/l	2 years
Titanium Dioxide	Inhalation	pulmonary fibrosis	Not classified	Human	NOAEL Not available	occupational exposure

### Specific Target Organ Toxicity - repeated exposure

#### **Aspiration Hazard**

For the component/components, either no data are currently available or the data are not sufficient for classification.

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 labeling, 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 1: Very toxic to aquatic life.

### **Chronic aquatic hazard:**

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

No product test data available

Material	Cas #	Organism	Туре	Exposure	Test Endpoint	
Epoxy Resin	25068-38-6	Rainbow Trout	Estimated	96 hours	Lethal Concentration 50%	2 mg/l
Epoxy Resin	25068-38-6	Water flea	Estimated	48 hours	Lethal Concentration 50%	1.8 mg/l
Epoxy Resin	25068-38-6	Green Algae	Experimental	72 hours	Effect Concentration 50%	>11 mg/l
Epoxy Resin	25068-38-6	Green Algae	Experimental	72 hours	No obs Effect Conc	4.2 mg/l
Epoxy Resin	25068-38-6	Water flea	Experimental	21 days	No obs Effect Conc	0.3 mg/l
Methacrylate/B utadiene/Styren e Polymer	25053-09-2		Data not available or insufficient for classification			
Hydrogenated Terphenyl	61788-32-7	Water flea	Estimated	21 days	No obs Effect Conc	0.025 mg/l
Hydrogenated Polyphenyls	68956-74-1		Data not available or insufficient for classification			
Titanium Dioxide	13463-67-7	Diatom	Experimental	72 hours	Effect Concentration 50%	>10,000 mg/l
Titanium Dioxide	13463-67-7	Fathead Minnow	Experimental	96 hours	Lethal Concentration 50%	>100 mg/l
Titanium Dioxide	13463-67-7	Water flea	Experimental	48 hours	Effect Concentration 50%	>100 mg/l
Titanium Dioxide	13463-67-7	Diatom	Experimental	72 hours	No obs Effect Conc	5,600 mg/l
TERPHENYL	26140-60-3	Water flea	Estimated	48 hours	Effect Concentration 50%	0.022 mg/l
TERPHENYL	26140-60-3	Water flea	Estimated	21 days	No obs Effect	0.01 mg/l

			Conc	
	1		Colle	

## 12.2. Persistence and degradability

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
Epoxy Resin	25068-38-6	Experimental Hydrolysis		Hydrolytic half-life	117 hours (t 1/2)	Other methods
Epoxy Resin	25068-38-6	Experimental Biodegradation	28 days	Biological Oxygen Demand	5 %BOD/COD	OECD 301F - Manometric Respiro
Methacrylate/B utadiene/Styren e Polymer	25053-09-2	Data not availbl- insufficient			N/A	
Hydrogenated Terphenyl	61788-32-7	Experimental Biodegradation	28 days	Biological Oxygen Demand	6 % BOD/ThBOD	OECD 301C - MITI (I)
Hydrogenated Polyphenyls	68956-74-1	Data not availbl- insufficient			N/A	
Titanium Dioxide	13463-67-7	Data not availbl- insufficient			N/A	
TERPHENYL	26140-60-3	Experimental Biodegradation	14 days	Biological Oxygen Demand	0.5 % weight	OECD 301C - MITI (I)

## 12.3. Bioaccumulative potential

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
Epoxy Resin	25068-38-6	Experimental Bioconcentrati on		Log of Octanol/H2O part. coeff	3.242	Other methods
Methacrylate/B utadiene/Styren e Polymer		Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Hydrogenated Terphenyl	61788-32-7	Experimental BCF - Bluegill	42 days	Bioaccumulatio n Factor	≥2400	Other methods
Hydrogenated Polyphenyls	68956-74-1	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Titanium Dioxide	13463-67-7	Experimental BCF-Carp	42 days	Bioaccumulatio n Factor	9.6	Other methods
TERPHENYL	26140-60-3	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

## 12.4. Mobility in soil

Please contact manufacturer for more details

## 12.5 Other adverse effects

No information available

# **SECTION 13: Disposal considerations**

## 13.1. Disposal methods

According to the Environmental Quality (Scheduled Wastes) Regulations 2005, scheduled waste has to be sent to a prescribed premise for recycling, treatment or disposal. Please approach Kualiti Alam for proper schedule waste classification and disposal.

# **SECTION 14: Transport Information**

## Marine Transport (IMDG)

UN Number:UN3082 Proper Shipping Name:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Technical Name:None assigned. Hazard Class/Division:9 Subsidiary Risk:None assigned. Packing Group:III Limited Quantity:None assigned. Marine Pollutant: Yes Marine Pollutant Technical Name: None assigned. Other Dangerous Goods Descriptions: None assigned.

Air Transport (IATA)

UN Number:UN3082 Proper Shipping Name:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Technical Name:None assigned. Hazard Class/Division:9 Subsidiary Risk:None assigned. Packing Group:III Limited Quantity:None assigned. Marine Pollutant: Yes Marine Pollutant Technical Name: None assigned. Other Dangerous Goods Descriptions: None assigned.

Transportation classifications are provided as a customer service. As for shipping, YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling or marking requirements. The above information is only for reference. If you are shipping by air or ocean, YOU are advised to check & meet applicable regulatory requirements.

# **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 Korea Chemical Control Act. 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. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

# **SECTION 16: Other information**

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 Malaysia SDSs are available at www.3M.com.my