



## 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 Primer GP 120 (Part B)

#### Product identification numbers

GR-2001-0756-7      GR-2001-0758-3      GR-2001-0761-7      GR-2001-3909-9

#### 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

Corrosive.

Flammable

Sensitising

#### 2.2. Label elements

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

##### Symbols

**3M Scotchkote Epoxy Primer GP 120 (Part B)**

C Corrosive.

**Contains:**

Isophorone Diamine; 2-Piperazin-1-ylethylamine

**Risk phrases**

R10 Flammable.  
 R34 Causes burns.  
 R43 May cause sensitisation by skin contact.

**Safety phrases**

S23C Do not breathe vapour or spray.  
 S51 Use only in well ventilated areas.  
 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.  
 S28C After contact with skin, wash immediately with plenty of water for 15 minutes.  
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**2.3. Other hazards**

Persons previously sensitised to amines may develop a cross-sensitisation reaction to certain other amines. May cause chemical gastrointestinal burns.

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

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Barium Sulfate	7727-43-7	EINECS 231-784-4	20 - 30	
Phenol, methylstyrenated	68512-30-1	EINECS 270-966-8	10 - 20	
Mica-Group Minerals	12001-26-2		10 - 20	
Isophorone Diamine	2855-13-2	EINECS 220-666-8	5 - 15	C:R34; Xn:R21-22; R43; R52/53 (EU)  Acute Tox. 4, H312; Acute Tox. 4, H302; Skin Corr. 1B, H314; Skin Sens. 1, H317; Aquatic Chronic 3, H412 (CLP)
Benzyl Alcohol	100-51-6	EINECS 202-859-9	5 - 15	Xn:R20-22 (EU)  Acute Tox. 4, H332; Acute Tox. 4, H302 (CLP)
Non hazardous ingredients	Mixture		1 - 10	
Cycloaliphatic Amine	Trade Secret		5 - 10	
Synthetic amorphous silica, fumed, crystalline free	112945-52-5		1 - 5	
p-Tert-Butylphenol	98-54-4	EINECS 202-679-0	1 - 5	Xi:R37-38-41; R52 (Self Classified)  Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335; Aquatic Chronic 3, H412 (Self Classified)
Xylene	1330-20-7	EINECS 215-	1 - 5	Xn:R20-21; Xi:R38; R10 - Nota

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		535-7		C (EU) Flam. Liq. 3, H226; Acute Tox. 4, H332; Acute Tox. 4, H312; Skin Irrit. 2, H315 - Nota C (CLP)
2-Piperazin-1-ylethylamine	140-31-8	EINECS 205-411-0	1 - 5	C:R34; Xn:R21-22; R43; R52/53 (EU) Acute Tox. 3, H311; Acute Tox. 4, H302; Skin Corr. 1B, H314; Skin Sens. 1B, H317; Aquatic Chronic 3, H412 (CLP)
Ethylbenzene	100-41-4	EINECS 202-849-4	< 1	F:R11; Xn:R20 (EU) Flam. Liq. 2, H225; Acute Tox. 4, H332 (CLP)
Quartz	14808-60-7	EINECS 238-878-4	< 0.2	Xn:R48/20 (Vendor) STOT RE 1, H372 (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**

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 flush with large amounts of water for at least 15 minutes. Remove contaminated clothing. Get immediate medical attention. Wash clothing before reuse.

**Inhalation**

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

**If swallowed**

Rinse mouth. Do not induce vomiting. Get immediate 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.  
Oxides of nitrogen.

#### **Condition**

During combustion.  
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. 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**

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

### **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. An appropriate aqueous film forming foam (AFFF) 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**

For industrial or professional use only. 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. 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.) Wear low static or properly grounded shoes. Use personal protective equipment (eg. gloves, respirators...) as required. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

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

Keep container tightly closed. Store away from heat. Keep from freezing. Protect from sunlight. 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
Silica, amorphous	112945-52-5	Health and Safety Comm. (UK)	TWA(as inhalable dust):6 mg/m <sup>3</sup> ;TWA(as respirable dust):2.4 mg/m <sup>3</sup>	
Mica-Group Minerals	12001-26-2	Health and Safety Comm. (UK)	TWA (Inhalable): 10 mg/m <sup>3</sup> ; TWA (respirable): 0.8 mg/m <sup>3</sup>	
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
Silica, crystalline (airborne particles of respirable size)	14808-60-7	Health and Safety Comm. (UK)	TWA(respirable):0.1 mg/m <sup>3</sup>	
Barium Sulfate	7727-43-7	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>	

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.

#### 8.2.2. Personal protective equipment (PPE)

##### Eye/face protection

Wear eye/face protection.

The following eye protection(s) are recommended: Full face shield.

Indirect vented goggles.

##### Skin/hand protection

Wear protective gloves and protective clothing.

Gloves made from the following material(s) are recommended: Fluoroelastomer

Polymer laminate

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The following protective clothing material(s) are recommended: Apron - polymer laminate

#### Respiratory protection

In case of inadequate ventilation wear 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.

Half facepiece or fullface supplied-air respirator.

## SECTION 9: Physical and chemical properties

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

Physical state	Liquid.
Specific Physical Form:	Thixotropic liquid.
Appearance/Odour	Aromatic, ammonia odour; Beige colour
pH	$\geq 8$
Boiling point/boiling range	$\geq 120$ °C
Melting point	<i>Not applicable.</i>
Flammability (solid, gas)	Flammable liquid: Category 3.
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	38 °C [ <i>Test Method:</i> Closed Cup]
Autoignition temperature	$\geq 400$ °C
Flammable Limits(LEL)	1 %
Flammable Limits(UEL)	7 %
Vapour pressure	277.3 Pa [ <i>@ 25 °C</i> ]
Relative density	1.47 [ <i>Ref Std:</i> WATER=1]
Water solubility	0 %
Water solubility	Negligible
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	1.47 g/ml

  

9.2. Other information	
Volatile organic compounds (VOC)	83 g/l [ <i>Test Method:</i> Estimated] [ <i>Details:</i> EU Definition (Part A & B mix)]
Percent volatile	5.38 %

## 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.

#### **10.5 Incompatible materials**

Accelerators  
Amines.  
Combustibles.  
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**

Corrosive (eye burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

#### **Skin contact**

Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching. Corrosive (skin burns): Signs/symptoms may include localised redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

#### **Inhalation**

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

#### **Ingestion**

Gastrointestinal corrosion: Signs/symptoms may include severe mouth, throat and abdominal pain, nausea, vomiting, and diarrhea; blood in the faeces and/or vomitus may also be seen. May be harmful if swallowed.

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

Auditory effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.

Prolonged or repeated exposure may cause:

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. Respiratory effects:

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Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish coloured skin (cyanosis), sputum production, changes in lung function tests, and respiratory failure.

**Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

**Additional information:**

Persons previously sensitised to amines may develop a cross-sensitisation reaction to certain other amines.

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

Name	Route	Species	Value
Overall product	Ingestion		No test data available; calculated ATE3,682 mg/kg
Barium Sulfate	Ingestion	Rat	LD50 > 15,000 mg/kg
Mica-Group Minerals	Dermal		LD50 estimated to be > 5,000 mg/kg
Mica-Group Minerals	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
Phenol, methylstyrenated			No data available
Cycloaliphatic Amine			No data available
Benzyl Alcohol	Dermal	Rabbit	LD50 2,000 mg/kg
Benzyl Alcohol	Inhalation-Dust/Mist (4 hours)	Rat	LC50 9 mg/l
Benzyl Alcohol	Ingestion	Rat	LD50 1,230 mg/kg
Isophorone Diamine	Ingestion	Rat	LD50 1,030 mg/kg
Xylene	Dermal	Rabbit	LD50 > 4,300 mg/kg
Xylene	Inhalation-Vapor (4 hours)	Rat	LC50 28 mg/l
Xylene	Ingestion	Rat	LD50 3,523 mg/kg
p-Tert-Butylphenol	Dermal	Rabbit	LD50 2,318 mg/kg
p-Tert-Butylphenol	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 6 mg/l
p-Tert-Butylphenol	Ingestion	Rat	LD50 4,000 mg/kg
2-Piperazin-1-ylethylamine	Dermal	Rabbit	LD50 865 mg/kg
2-Piperazin-1-ylethylamine	Ingestion	Rat	LD50 1,470 mg/kg
Synthetic amorphous silica, fumed, crystalline free	Dermal	Rabbit	LD50 > 5,000 mg/kg
Synthetic amorphous silica, fumed, crystalline free	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Synthetic amorphous silica, fumed, crystalline free	Ingestion	Rat	LD50 > 5,110 mg/kg
Ethylbenzene	Dermal	Rabbit	LD50 15,433 mg/kg
Ethylbenzene	Inhalation-Vapor (4 hours)	Rat	LC50 17 mg/l
Ethylbenzene	Ingestion	Rat	LD50 4,769 mg/kg
Quartz	Ingestion		LD50 estimated to be > 5,000 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
Barium Sulfate		No data available
Mica-Group Minerals		No data available
Phenol, methylstyrenated		No data available
Cycloaliphatic Amine		No data available
Benzyl Alcohol		Mild irritant
Isophorone Diamine		Corrosive
Xylene		Mild irritant
p-Tert-Butylphenol		No data available
2-Piperazin-1-ylethylamine		Corrosive



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Synthetic amorphous silica, fumed, crystalline free	Rabbit	No significant irritation
Ethylbenzene		Mild irritant
Quartz		No significant irritation

**Serious Eye Damage/Irritation**

Name	Species	Value
Barium Sulfate		No data available
Mica-Group Minerals		No data available
Phenol, methylstyrenated		No data available
Cycloaliphatic Amine		No data available
Benzyl Alcohol		Corrosive
Isophorone Diamine		Corrosive
Xylene		Mild irritant
p-Tert-Butylphenol		No data available
2-Piperazin-1-ylethylamine		No data available
Synthetic amorphous silica, fumed, crystalline free	Rabbit	No significant irritation
Ethylbenzene		Moderate irritant
Quartz		No data available

**Skin Sensitisation**

Name	Species	Value
Barium Sulfate		No data available
Mica-Group Minerals		No data available
Phenol, methylstyrenated		No data available
Cycloaliphatic Amine		No data available
Benzyl Alcohol		Some positive data exist, but the data are not sufficient for classification
Isophorone Diamine		Sensitising
Xylene		No data available
p-Tert-Butylphenol		No data available
2-Piperazin-1-ylethylamine		Sensitising
Synthetic amorphous silica, fumed, crystalline free	Human and animal	Not sensitizing
Ethylbenzene		Not sensitizing
Quartz		No data available

**Respiratory Sensitisation**

Name	Species	Value
Barium Sulfate		No data available
Mica-Group Minerals		No data available
Phenol, methylstyrenated		No data available
Cycloaliphatic Amine		No data available
Benzyl Alcohol		No data available
Isophorone Diamine		No data available
Xylene		No data available
p-Tert-Butylphenol		No data available
2-Piperazin-1-ylethylamine		No data available
Synthetic amorphous silica, fumed, crystalline free		No data available
Ethylbenzene		No data available
Quartz		No data available

**Germ Cell Mutagenicity**

Name	Route	Value
Barium Sulfate		No data available
Mica-Group Minerals		No data available
Phenol, methylstyrenated		No data available
Cycloaliphatic Amine		No data available
Benzyl Alcohol	In vivo	Not mutagenic
Benzyl Alcohol	In Vitro	Some positive data exist, but the data are not sufficient for classification

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Isophorone Diamine	In Vitro	Not mutagenic
Isophorone Diamine	In vivo	Not mutagenic
Xylene	In Vitro	Not mutagenic
Xylene	In vivo	Not mutagenic
p-Tert-Butylphenol		No data available
2-Piperazin-1-ylethylamine		No data available
Synthetic amorphous silica, fumed, crystalline free	In Vitro	Not mutagenic
Ethylbenzene	In Vitro	Some positive data exist, but the data are not sufficient for classification
Quartz	In vivo	Some positive data exist, but the data are not sufficient for classification

**Carcinogenicity**

Name	Route	Species	Value
Barium Sulfate			No data available
Mica-Group Minerals			No data available
Phenol, methylstyrenated			No data available
Cycloaliphatic Amine			No data available
Benzyl Alcohol	Ingestion		Not carcinogenic
Isophorone Diamine			No data available
Xylene	Dermal		Not carcinogenic
Xylene	Ingestion		Not carcinogenic
Xylene	Inhalation		Some positive data exist, but the data are not sufficient for classification
p-Tert-Butylphenol			No data available
2-Piperazin-1-ylethylamine			No data available
Synthetic amorphous silica, fumed, crystalline free	Not specified.	Mouse	Some positive data exist, but the data are not sufficient for classification
Ethylbenzene	Inhalation		Carcinogenic.
Quartz	Inhalation		Carcinogenic.

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

Name	Route	Value	Species	Test result	Exposure Duration
Barium Sulfate		No data available			
Mica-Group Minerals		No data available			
Phenol, methylstyrenated		No data available			
Cycloaliphatic Amine		No data available			
Benzyl Alcohol	Ingestion	Not toxic to reproduction and/or development		NOAEL 550 mg/kg/day	
Isophorone Diamine	Ingestion	Not toxic to reproduction and/or development		NOAEL 250 mg/kg/day	
Xylene	Ingestion	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		LOAEL 2,060 mg/kg/day	
Xylene	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOAEL N/A	
p-Tert-Butylphenol		No data available			

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2-Piperazin-1-ylethylamine		No data available			
Synthetic amorphous silica, fumed, crystalline free	Ingestion	Not toxic to female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Synthetic amorphous silica, fumed, crystalline free	Ingestion	Not toxic to male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
Synthetic amorphous silica, fumed, crystalline free	Ingestion	Not toxic to development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis
Ethylbenzene	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		LOEL 0.43 mg/l	
Quartz		No data available			

**Lactation**

Name	Route	Species	Value
Xylene	Ingestion		Does not cause effects on or via lactation

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Barium Sulfate			No data available			
Mica-Group Minerals	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Phenol, methylstyrenated			No data available			
Cycloaliphatic Amine			No data available			
Benzyl Alcohol	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Benzyl Alcohol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Benzyl Alcohol	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Isophorone Diamine	Inhalation	respiratory irritation	May cause respiratory irritation		Irritation Positive	
Xylene	Inhalation	auditory system	Causes damage to organs		LOAEL 6.3 mg/l	
Xylene	Inhalation	central nervous system	May cause drowsiness or		LOAEL 0.43 mg/l	

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		depression	dizziness			
Xylene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Xylene	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		NOEL N/A	
Xylene	Inhalation	eyes	Some positive data exist, but the data are not sufficient for classification		NOEL 3.5 mg/l	
Xylene	Inhalation	nervous system	All data are negative		NOAEL 0.65 mg/l	
Xylene	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A	
Xylene	Ingestion	eyes	Some positive data exist, but the data are not sufficient for classification		NOEL 125 mg/kg	
p-Tert-Butylphenol			No data available			
2-Piperazin-1-ylethylamine			No data available			
Synthetic amorphous silica, fumed, crystalline free			No data available			
Ethylbenzene	Inhalation	central nervous system depression	May cause drowsiness or dizziness		LOAEL 0.43 mg/l	
Ethylbenzene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	
Quartz	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive	

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Barium Sulfate			No data available			
Mica-Group Minerals	Inhalation	pneumoconiosis	Causes damage to organs through prolonged or repeated exposure		NOAEL N/A	
Phenol, methylstyrenated			No data available			

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Cycloaliphatic Amine			No data available			
Benzyl Alcohol	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		NOEL 645 mg/kg/day	
Benzyl Alcohol	Ingestion	endocrine system   muscles	Some positive data exist, but the data are not sufficient for classification		NOEL 400 mg/kg/day	
Benzyl Alcohol	Ingestion	nervous system	Some positive data exist, but the data are not sufficient for classification		NOEL 645 mg/kg/day	
Benzyl Alcohol	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 400 mg/kg/day	
Isophorone Diamine	Inhalation	respiratory system	Causes damage to organs through prolonged or repeated exposure		LOAEL 0.002 mg/l	
Isophorone Diamine	Ingestion	blood   liver	Some positive data exist, but the data are not sufficient for classification		NOAEL 20 mg/kg/day	
Isophorone Diamine	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOAEL 60 mg/kg/day	
Xylene	Inhalation	nervous system	Causes damage to organs through prolonged or repeated exposure		LOAEL 0.4 mg/l	
Xylene	Inhalation	auditory system	May cause damage to organs through prolonged or repeated exposure		LOAEL 7.8 mg/l	
Xylene	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification		NOEL N/A	
Xylene	Inhalation	heart   endocrine system   hematopoietic system   muscles   kidney and/or bladder   respiratory system	All data are negative		NOAEL 3.5 mg/l	
Xylene	Ingestion	auditory system	Some positive data exist, but the data are not		LOEL 900 mg/kg/day	

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			sufficient for classification			
Xylene	Ingestion	liver   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL N/A	
Xylene	Ingestion	heart   skin   endocrine system   bone, teeth, nails, and/or hair   hematopoietic system   immune system   nervous system   respiratory system	All data are negative		NOAEL 1,000 mg/kg/day	
p-Tert-Butylphenol			No data available			
2-Piperazin-1-ylethylamine			No data available			
Synthetic amorphous silica, fumed, crystalline free	Inhalation	respiratory system   silicosis	All data are negative	Human	NOAEL Not available	occupational exposure
Ethylbenzene	Inhalation	liver   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOAEL 1.1 mg/l	
Ethylbenzene	Inhalation	auditory system	Some positive data exist, but the data are not sufficient for classification		NOEL 1.3 mg/l	
Ethylbenzene	Inhalation	endocrine system	Some positive data exist, but the data are not sufficient for classification		NOEL 0.32 mg/l	
Ethylbenzene	Inhalation	hematopoietic system	Some positive data exist, but the data are not sufficient for classification		NOEL 1.6 mg/l	
Ethylbenzene	Inhalation	heart	All data are negative		NOAEL 3.2 mg/l	
Ethylbenzene	Inhalation	bone, teeth, nails, and/or hair	All data are negative		NOAEL 4.2 mg/l	
Ethylbenzene	Inhalation	immune system	All data are negative		NOAEL 3.2 mg/l	
Ethylbenzene	Inhalation	muscles	All data are negative		NOAEL 4.2 mg/l	
Ethylbenzene	Inhalation	respiratory system	All data are negative		NOAEL 3.2 mg/l	
Ethylbenzene	Ingestion	liver	Some positive data exist, but the data are not		NOEL 136 mg/kg/day	

**3M Scotchkote Epoxy Primer GP 120 (Part B)**

			sufficient for classification			
Ethylbenzene	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 136 mg/kg	
Quartz	Inhalation	silicosis	Causes damage to organs through prolonged or repeated exposure		NOAEL N/A	

**Aspiration Hazard**

Name	Value
Barium Sulfate	Not an aspiration hazard
Mica-Group Minerals	Not an aspiration hazard
Phenol, methylstyrenated	Not an aspiration hazard
Cycloaliphatic Amine	Not an aspiration hazard
Benzyl Alcohol	Not an aspiration hazard
Isophorone Diamine	Not an aspiration hazard
Xylene	Aspiration hazard
p-Tert-Butylphenol	Not an aspiration hazard
2-Piperazin-1-ylethylamine	Not an aspiration hazard
Synthetic amorphous silica, fumed, crystalline free	Not an aspiration hazard
Ethylbenzene	Aspiration hazard
Quartz	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:**

GHS Acute 3: Harmful to aquatic life.

**Chronic aquatic hazard:**

Not chronically toxic to aquatic life by GHS criteria.

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

## 3M Scotchkote Epoxy Primer GP 120 (Part B)

### 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

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 04 09\* Waste adhesives and sealants containing organic solvents or other dangerous substances  
20 01 27\* Paint, inks, adhesives and resins containing dangerous substances

## SECTION 14: Transportation information

GR-2001-0756-7, GR-2001-0761-7

**ADR/RID:** UN2733, AMINES, FLAMMABLE, CORROSIVE, N.O.S., LIMITED QUANTITY, (XYLENE), (ISOPHORONE DIAMINE), 3., (8.), III, (--), ADR Classification Code: FC, Special Provision: --.

**IMDG-CODE:** UN2733, AMINES, FLAMMABLE, CORROSIVE, N.O.S., (XYLENE), (ISOPHORONE DIAMINE), 3., (8.), III, LIMITED QUANTITY, EMS: FE,SC.

**ICAO/IATA:** UN2733, AMINES, FLAMMABLE, CORROSIVE, N.O.S., (XYLENE), (ISOPHORONE DIAMINE), 3., (8.), III.

GR-2001-0758-3

**ADR/RID:** UN2733, AMINES, FLAMMABLE, CORROSIVE, N.O.S., LIMITED QUANTITY, (XYLENE), (ISOPHORONE DIAMINE), 3., (8.), III, (--), ADR Classification Code: FC, Special Provision: --.

**IMDG-CODE:** UN2733, AMINES, FLAMMABLE, CORROSIVE, N.O.S., (XYLENE), (ISOPHORONE DIAMINE), 3., (8.), III, EMS: FE,SC.

**ICAO/IATA:** UN2733, AMINES, FLAMMABLE, CORROSIVE, N.O.S., (XYLENE), (ISOPHORONE DIAMINE), 3., (8.), III.

GR-2001-3909-9

**ADR/RID:** UN2733, AMINES, FLAMMABLE, CORROSIVE, N.O.S., LIMITED QUANTITY, (XYLENE), (ISOPHORONE DIAMINE), 3., (8.), III, (--), ADR Classification Code: FC, Special Provision: --.

**IMDG-CODE:** UN2733, AMINES, FLAMMABLE, CORROSIVE, N.O.S., (XYLENE), (ISOPHORONE DIAMINE), 3., (8.), III, LIMITED QUANTITY, EMS: FE,SC.

**ICAO/IATA:** UN2733, AMINES, FLAMMABLE, CORROSIVE, N.O.S., (XYLENE), (ISOPHORONE DIAMINE), 3., (8.), III.



**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>
Ethylbenzene	100-41-4	Grp. 2B: Possible human carc.	International Agency for Research on Cancer
Quartz	14808-60-7	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
Xylene	1330-20-7	Gr. 3: Not classifiable	International Agency for Research on Cancer

**Global inventory status**

Contact 3M for more 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 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.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

**List of relevant R-phrases**

R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R34	Causes burns.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R52	Harmful to aquatic organisms.
R52/53	Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Revision information:**

Revision Changes:

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

Copyright 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.

Lactation 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 11: UN GHS Classification table heading was deleted.

Section 11: Lactation table - UN GHS Classification 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)**