### **SAFETY DATA SHEETS**

# This SDS packet was issued with item: 075045604

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

075044870 075044888 075044896 075044904 075044912 075044961 075045026 075045034 075045075 075045216 075045224 075045232 075045240 075045257 075045265 075045273 075045281 075045299 075045307 075045315 075045406 075045414 075045422 075045430 075045448 075045455 075045596 075045612 075045620 075045638 075045646 075045653 075045661 075045679 075045687 075045695 075801923 075825203 079397303 079397306 079397309 079397312 079397315 079397318 079397321 079397324 079397327 079397330 079398700 079398703 079398706 079398709 079398712 079398715 079400103 079400106 079400109 079400112 079400115 079400118 079400121 079400124 079400127 079400130 079401500 079401503 079401506 079401509 079401512 079401515 079401518 079401521 079401524 079401527 079401530 079402200 273010833



### **Article Information Sheet**

Copyright,2014,3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

This Article Information Sheet is provided as a courtesy in response to a customer request. A Safety Data Sheet (SDS) has not been prepared for these product(s) because they are articles. Articles are not subject to the Occupational Safety and Health Administration's Hazard Communication Standard (29 CFR 1910.1200(b)(6)(v)). As defined in this standard: "Article" means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical, and does not pose a physical or health risk to employees.

Document Group:	28-4903-2	Version Number:	2.00
Issue Date:	12/11/14	Supercedes Date:	Initial Issue

### **SECTION 1: Identification**

### 1.1. Product identifier

3M<sup>™</sup> VHB<sup>™</sup> Tapes - 5906, 5907, 5908, 5909, 5915, 5915P, 5915WF, 5925, 5925P, 5925WF, 5930, 5930P, 5930WF, 5952, 5952P, 5952WF, 5962, 5962WF, H5520SB

### 1.2. Recommended use and restrictions on use

#### **Recommended use**

Attachment/Reinforcement, Industrial use

1.3. Supplier's details	
<b>MANUFACTURER:</b>	3M
<b>DIVISION:</b>	Industrial Adhesives and Tapes Division
ADDRESS:	3M Center, St. Paul, MN 55144-1000, USA
Telephone:	1-888-3M HELPS (1-888-364-3577)

### **1.4. Emergency telephone number**

1-800-364-3577 or (651) 737-6501 (24 hours)

### **SECTION 2: Hazard identification**

This product is exempt from hazard classification according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Ingredient	C.A.S. No.	% by Wt
Foam Carrier	Trade Secret*	50 - 99
Acrylic Adhesive	Trade Secret*	1 - 50

## 3М<sup>тм</sup> VHB<sup>тм</sup> Tapes - 5906, 5907, 5908, 5909, 5915, 5915Р, 5915WF, 5925, 5925Р, 5925WF, 5930, 5930P, 5930WF, 5952, 5952P, 5952WF, 5962, 5962WF, H5520SB 12/11/14

\*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

### **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

### Inhalation:

No need for first aid is anticipated.

#### **Skin Contact:** No need for first aid is anticipated.

**Eye Contact:** No need for first aid is anticipated.

### **If Swallowed:** No need for first aid is anticipated.

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

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

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

#### **6.1. Personal precautions, protective equipment and emergency procedures** Not applicable.

### **6.2.** Environmental precautions

Not applicable.

## **6.3. Methods and material for containment and cleaning up** Not applicable.

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

### 7.1. Precautions for safe handling

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

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

No special storage requirements.

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

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. No engineering controls or personal protective equipment (PPE) are necessary.

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

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

3М<sup>тм</sup> VHB<sup>тм</sup> Tapes - 5906, 5907, 5908, 5909, 5915, 5915Р, 5915WF, 5925, 5925P, 5925WF, 5930, 5930P, 5930WF, 5952, 5952P, 5952WF, 5962, 5962WF, H5520SB 12/11/14

General Physical Form:	Solid
Specific Physical Form:	Roll of Tape
Odor, Color, Grade:	black or white foam tape on paper or film liner.
Odor threshold	Not Applicable
рН	Not Applicable
Melting point	Not Applicable
Boiling Point	Not Applicable
Flash Point	Not Applicable
Evaporation rate	Not Applicable
Flammability (solid, gas)	Not Classified
Flammable Limits(LEL)	Not Applicable
Flammable Limits(UEL)	Not Applicable
Vapor Pressure	Not Applicable
Vapor Density	Not Applicable
Density	Not Applicable
Specific Gravity	Not Applicable
Solubility in Water	Nil
Solubility- non-water	Not Applicable
Partition coefficient: n-octanol/ water	Not Applicable
Autoignition temperature	Not Applicable
Decomposition temperature	Not Applicable
Viscosity	Not Applicable
Volatile Organic Compounds	Not Applicable
Percent volatile	Not Applicable
VOC Less H2O & Exempt Solvents	Not Applicable
_	

### **SECTION 10: Stability and reactivity**

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

### **SECTION 11: Toxicological information**

### Inhalation:

This product may have a characteristic odor; however, no adverse health effects are anticipated.

### Skin Contact:

No health effects are expected

**Eye Contact:** No health effects are expected

**Ingestion:** No health effects are expected

### **Additional Information:**

This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

### **SECTION 12: Ecological information**

This article is expected to present a low environmental risk either because use and disposal are unlikely to result in a significant release of components to the environment or because those components that may be released are expected to have

3M<sup>TM</sup> VHB<sup>TM</sup> Tapes - 5906, 5907, 5908, 5909, 5915, 5915P, 5915WF, 5925, 5925P, 5925WF, 5930, 5930WF, 5952, 5952P, 5952WF, 5962, 5962WF, H5520SB 12/11/14

insignificant environmental impact.

### **SECTION 13: Disposal considerations**

Dispose of contents/container in accordance with the local/regional/national/international regulations.

### **SECTION 14: Transport Information**

Not regulated per U.S. DOT, IATA or IMO.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M transportation classifications are based on product formulation, packaging, 3M policies and 3M understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and <u>not</u> the packaging, labeling, or marking requirements. The original 3M package is certified for U.S. ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

### **SECTION 15: Regulatory information**

### **Chemical Inventories**

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory requirements.

For additional regulatory information on this product, refer to www.3M.com/regs.

### **SECTION 16: Other information**

#### NFPA Hazard Classification Health: 0 Flammability: 1 Instability: 0 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Document Group:	28-4903-2	Version Number:	2.00
Issue Date:	12/11/14	Supercedes Date:	Initial Issue

DISCLAIMER: The information in this Article Information Sheet (AIS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the AIS available

3M<sup>TM</sup> VHB<sup>TM</sup> Tapes - 5906, 5907, 5908, 5909, 5915, 5915P, 5915WF, 5925, 5925P, 5925WF, 5930, 5930WF, 5952, 5952P, 5952WF, 5962, 5962WF, H5520SB 12/11/14

directly from 3M.

3M USA AISs are available at www.3M.com



### Safety Data Sheet

#### Copyright, 2014, 3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

Document Group:	05-4615-0	Version Number:	55.00
Issue Date:	11/24/14	Supercedes Date:	12/27/11

### **SECTION 1: Identification**

#### 1.1. Product identifier

5904-5907, 3021-3024, AND 8004 3M<sup>™</sup> ESPE<sup>™</sup> Z100<sup>™</sup> RESTORATIVE PASTE

### **Product Identification Numbers**

70-2010-1318-5, 70-2010-1319-3, 70-2010-1320-1, 70-2010-1321-9, 70-2010-1322-7, 70-2010-1323-5, 70-2010-1324-3, 70-2010-1325-0, 70-2010-1329-2, 70-2010-1331-8, 70-2010-1420-9, 70-2010-1485-2, 70-2010-1486-0, 70-2010-1487-8, 70-2010-1488-6, 70-2010-1489-4, 70-2010-1490-2, 70-2010-1491-0, 70-2010-1492-8, 70-2010-1496-9, 70-2010-1498-5, 70-2010-1499-3, 70-2010-1531-3, 70-2010-1533-9, 70-2010-1535-4, 70-2010-2371-3, 70-2010-2372-1, 70-2010-2373-9, 70-2010-2374-7, 70-2010-2375-4, 70-2010-2376-2, 70-2010-2377-0, 70-2010-2378-8, 70-2010-3791-1, 70-2010-3792-9, 70-2010-3793-7, 70-2010-3794-5, 70-2010-3795-2, 70-2010-3796-0, 70-2010-3797-8, 70-2010-3798-6, 70-2010-3802-6, 70-2010-3804-2, 70-2010-3805-9, 70-2010-3806-7, 70-2010-3807-5, 70-2010-3808-3, 70-2010-3809-1, 70-2010-3810-9, 70-2010-3811-7, 70-2010-3812-5, 70-2010-3817-4, 70-2010-3817-4, 70-2010-3819-0, 70-2010-3820-8, 70-2010-5171-4, 70-2010-5172-2, 70-2010-5173-0, 70-2010-5175-5, 70-2010-5176-3, 70-2010-5177-1, 70-2010-5178-9, 70-2010-5182-1, 70-2010-5185-4, 70-2010-5175-5, 70-2010-8783-3, 70-2010-8784-1, 70-2010-8785-8, 70-2010-8786-6, 70-2010-9797-2, 70-2010-9799-8, 70-2010-9800-4, 70-2010-9801-2, 70-2010-9802-0, 70-2010-9803-8, 70-2010-9804-6, 70-2010-9798-0, 70-2010-9807-9, 70-2010-9808-7, 70-2010-9809-5, 70-2010-9807-9, 70-2010-9811-1, 70-2010-9812-9, 70-2010-9806-1, 70-2010-9807-9, 70-2010-9808-7, 70-2010-9809-5, 70-2010-9817-8, 70-2010-9811-1, 70-2010-9812-9, 70-2010-9813-7, 70-2010-9814-5, 70-2010-9815-2, 70-2010-9816-0, 70-2010-9817-8, 70-2010-9818-6

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

Recommended use Dental product, Restorative Restrictions on use For use only by dental professionals

1.3. Supplier's detailsMANUFACTURER:3MDIVISION:3M ESPE Dental ProductsADDRESS:3M Center, St. Paul, MN 55144-1000, USATelephone:1-888-3M HELPS (1-888-364-3577)

**1.4. Emergency telephone number** 1-800-364-3577 or (651) 737-6501 (24 hours)

### **SECTION 2: Hazard identification**

This document has been prepared in accordance with the U.S. OSHA Hazard Communication Standard, which requires the

inclusion of all known hazards of the product or ingredients regardless of the potential risk. The risks of the hazards communicated in this document may vary depending on the potential for exposure.

### 2.1. Hazard classification

Serious Eye Damage/Irritation: Category 2B. Skin Sensitizer: Category 1B.

### 2.2. Label elements Signal word Warning

Symbols Exclamation mark |

#### **Pictograms**



Hazard Statements Causes eye irritation. May cause an allergic skin reaction.

#### **Precautionary Statements**

### **Prevention:**

Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

#### **Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

### **Disposal:**

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

### 2.3. Hazards not otherwise classified

None.

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

Ingredient	C.A.S. No.	% by Wt
SILANE TREATED CERAMIC	444758-98-9	80 - 90 Trade Secret *
TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)	109-16-0	1 - 10 Trade Secret *
BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)	1565-94-2	1 - 10 Trade Secret *

2-BENZOTRIAZOLYL-4-METHYLPHENOL 2440-22-4 < 1 Trade Secret *	LYL-4-METHYLPHENOL 2440-22-4 <1 Trade Secret *
--	--

\*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

### **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> Carbon monoxide Carbon dioxide <u>Condition</u> During Combustion During Combustion

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

No special protective actions for fire-fighters are anticipated.

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

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

Ventilate the area with fresh air. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### **6.2.** Environmental precautions

Avoid release to the environment.

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

Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible.

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

#### 7.1. Precautions for safe handling

A no-touch technique is recommended. If skin contact occurs, wash skin with soap and water. Acrylates may penetrate commonly-used gloves. If product contacts glove, remove and discard glove, wash hands immediately with soap and water and then re-glove. 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. Wash contaminated clothing before reuse.

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

No special storage requirements.

### **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 SDS.

#### **8.2. Exposure controls**

#### **8.2.1.** Engineering controls

Use in a well-ventilated area.

#### 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: Safety Glasses with side shields

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

See Section 7.1 for additional information on skin protection.

#### **Respiratory protection**

None required.

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

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

d

Flash Point	No flash point
Evaporation rate	Not Applicable
Flammability (solid, gas)	Not Classified
Flammable Limits(LEL)	Not Applicable
Flammable Limits(UEL)	Not Applicable
Vapor Pressure	Not Applicable
Vapor Density	Not Applicable
Density	2.1 g/cm3
Specific Gravity	2.1 [ <i>Ref Std:</i> WATER=1]
Solubility in Water	Negligible
Solubility- non-water	No Data Available
Partition coefficient: n-octanol/ water	Not Applicable
Autoignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	Not Applicable
Volatile Organic Compounds	Not Applicable
Percent volatile	Negligible
VOC Less H2O & Exempt Solvents	Not Applicable

### **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 polymerization will not occur.

### **10.4. Conditions to avoid**

None known.

## **10.5. Incompatible materials** None known.

#### **10.6. Hazardous decomposition products** <u>Substance</u> 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.

Condition

This document has been prepared in accordance with the U.S. OSHA Hazard Communication Standard, which requires the inclusion of all known hazards of the product or ingredients regardless of the potential risk. The risks of the hazards communicated in this document may vary depending on the potential for exposure.

#### 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:

This product may have a characteristic odor; however, no adverse health effects are anticipated.

#### **Skin Contact:**

Contact with the skin during product use is not expected to result in significant irritation. 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:**

May be harmful if swallowed.

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 2,000 - 5,000
			mg/kg
SILANE TREATED CERAMIC	Dermal		LD50 estimated to be $> 5,000 \text{ mg/kg}$
SILANE TREATED CERAMIC	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)	Dermal	Professio	LD50 estimated to be $> 5,000 \text{ mg/kg}$
		nal	
		judgeme	
		nt	
TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)	Ingestion	Rat	LD50 10,837 mg/kg
BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
(BISGMA)			
BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE	Dermal	Professio	LD50 estimated to be 2,000 - 5,000 mg/kg
(BISGMA)		nal	
		judgeme	
		nt	

### ATE = acute toxicity estimate

### Skin Corrosion/Irritation

Name	Species	Value
SILANE TREATED CERAMIC	similar	No significant irritation
	compoun	
	ds	
TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)	Guinea	Mild irritant
	pig	
BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)	Not	Minimal irritation
	available	

### Serious Eye Damage/Irritation

Name	Species	Value
SILANE TREATED CERAMIC	similar	Mild irritant
	compoun	
	ds	
TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)	Professio	Moderate irritant
	nal	

	judgeme	
	nt	
BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)	Not	Moderate irritant
	available	

### Skin Sensitization

Name	Species	Value
SILANE TREATED CERAMIC	similar	Some positive data exist, but the data are not
	compoun	sufficient for classification
	ds	
TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)	Human	Sensitizing
	and	
	animal	
BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)	Guinea	Sensitizing
	pig	

### **Respiratory Sensitization**

Name	Species	Value

### Germ Cell Mutagenicity

Name	Route	Value
TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)	In Vitro	Some positive data exist, but the data are not
		sufficient for classification
BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)	In Vitro	Some positive data exist, but the data are not
		sufficient for classification

### Carcinogenicity

Name	Route	Species	Value
SILANE TREATED CERAMIC	Inhalation	similar	Some positive data exist, but the data are not
		compou	sufficient for classification
		nds	
TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)	Dermal	Mouse	Not carcinogenic

### **Reproductive Toxicity**

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

Name	Route	Value	Species	Test Result	Exposure Duration
TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)	Ingestion	Not toxic to female reproduction	Mouse	NOAEL 1 mg/kg/day	1 generation
TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)	Ingestion	Not toxic to male reproduction	Mouse	NOAEL 1 mg/kg/day	1 generation
TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)	Ingestion	Not toxic to development	Mouse	NOAEL 1 mg/kg/day	1 generation
BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)	Ingestion	Not toxic to female reproduction	Mouse	NOAEL 0.8 mg/kg/day	premating & during gestation
BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)	Ingestion	Not toxic to male reproduction	Mouse	NOAEL 0.8 mg/kg/day	premating & during gestation
BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)	Ingestion	Not toxic to development	Mouse	NOAEL 0.8 mg/kg/day	premating & during gestation

### Target Organ(s)

### Specific Target Organ Toxicity - single exposure

	Test Result	Exposure Duration
--	-------------	----------------------

### Specific Target Organ Toxicity - repeated exposure

ame Route Target Organ(s) Value	Species Test Result Exposure Duration
---------------------------------	--

SILANE TREATED CERAMIC	Inhalation	pulmonary fibrosis	Some positive data exist, but the data are not sufficient for classification	similar compoun ds	NOAEL Not available	
TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)	Dermal	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 833 mg/kg/day	78 weeks
TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)	Dermal	blood	All data are negative	Mouse	NOAEL 833 mg/kg/day	78 weeks
BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)	Ingestion	endocrine system   liver   nervous system   kidney and/or bladder	All data are negative	Mouse	NOAEL 0.8 mg/kg/day	premating & during gestation

#### **Aspiration Hazard**

Name

Value

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**

### **Ecotoxicological information**

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

### **Chemical fate information**

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

### **SECTION 13: Disposal considerations**

### 13.1. Disposal methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Incinerate in a permitted waste incineration facility.

EPA Hazardous Waste Number (RCRA): Not regulated

### **SECTION 14: Transport Information**

For Transport Information, please visit http://3M.com/Transportinfo or call 1-800-364-3577 or 651-737-6501.

### **SECTION 15: Regulatory information**

### **15.1. US Federal Regulations**

Contact 3M for more information.

### **311/312 Hazard Categories:**

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No

### 15.2. State Regulations

Contact 3M for more information.

### **15.3.** Chemical Inventories

This material contains one or more substances not listed on the TSCA Inventory. Commercial use of this material is regulated by the FDA.

Contact 3M for more information.

### **15.4. International Regulations**

Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### **SECTION 16: Other information**

#### NFPA Hazard Classification

Health: 2 Flammability: 1 Instability: 0 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Document Group:	05-4615-0	Version Number:	55.00
Issue Date:	11/24/14	Supercedes Date:	12/27/11

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from 3M

#### 3M USA SDSs are available at www.3M.com