

# Safety Data Sheet

Copyright, 2015, 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:
 27-2698-2
 Version Number:
 1.01

 Issue Date:
 04/15/15
 Supercedes Date:
 08/24/09

#### **Product identifier**

3MTM ESPETM IMPREGUMTM PENTATM PROMOTION PACK

#### Recommended use

Dental Product, Impression Material

#### Restrictions on use

For use only by dental professionals.

### Supplier's details

**MANUFACTURER:** 3M

**DIVISION:** 3M ESPE Dental Products

**ADDRESS:** 3M Center, St. Paul, MN 55144-1000, USA **Telephone:** 1-888-3M HELPS (1-888-364-3577)

#### **Emergency telephone number**

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

This product is a kit or a multipart product which consists of multiple, independently packaged components. A Safety Data Sheet (SDS), Article Information Sheet (AIS), or Article Information Letter (AIL) for each of these components is included. Please do not separate the component documents from this cover page. The document numbers for components of this product are:

16-4015-0, 16-5550-5, 16-5547-1

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



# 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:
 16-4015-0
 Version Number:
 15.00

 Issue Date:
 10/09/14
 Supercedes Date:
 03/02/11

## **SECTION 1: Identification**

#### 1.1. Product identifier

30601 POLYETHER ADHESIVE - 17 ML BOTTLE (NA)

#### **Product Identification Numbers**

70-2011-0895-1, 70-2011-0997-5

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

#### Recommended use

Dental Product, Used in impressioning systems.

#### Restrictions on use

For use only by dental professionals.

### 1.3. Supplier's details

**MANUFACTURER:** 3M

**DIVISION:** 3M ESPE Dental Products

**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 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

Flammable Liquid: Category 2.

Serious Eye Damage/Irritation: Category 2A.

Specific Target Organ Toxicity (central nervous system): Category 3.

#### 2.2. Label elements

Signal word

Danger

#### **Symbols**

Page 1 of 12

Flame | Exclamation mark |

#### **Pictograms**



#### **Hazard Statements**

Highly flammable liquid and vapor.

Causes serious eye irritation.

May cause drowsiness or dizziness.

### **Precautionary Statements**

#### **Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only in a well-ventilated area.

Wear protective gloves and eye/face protection.

Wash thoroughly after handling.

#### **Response:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

Call a POISON CENTER or doctor/physician if you feel unwell.

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

### Storage:

Store in a well-ventilated place. Keep cool.

Keep container tightly closed.

#### 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
ETHYL ACETATE	141-78-6	25 - 50 Trade Secret *
HEPTANE	142-82-5	25 - 35 Trade Secret *
ACETONE	67-64-1	5 - 15 Trade Secret *
METHYLCYCLOHEXANE	108-87-2	5 - 10 Trade Secret *
FORMALDEHYDE, POLYMER WITH 1,3-	59633-97-5	0 - 5 Trade Secret *
BENZENEDIOL AND 4-(1,1-		
DIMETHYLETHYL)PHENOL		

POLYCHLOROPRENE	9010-98-4	0 - 5 Trade Secret *
CYCLOHEXANE	110-82-7	0 - 0.5 Trade Secret *
ZINC OXIDE	1314-13-2	0 - 0.2 Trade Secret *

<sup>\*</sup>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:**

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. 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. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

### 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**

<u>Substance</u>	<u>Condition</u>
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion
Irritant Vapors or Gases	During Combustion

### 5.3. Special protective actions 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

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools.

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

Contain spill. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with detergent and water. Seal the container. Dispose of collected material as soon as possible.

# **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Avoid prolonged or repeated skin contact. 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. Avoid release to the environment. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

# 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store away from heat. Store away from acids. 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	<b>Additional Comments</b>
METHYLCYCLOHEXANE	108-87-2	ACGIH	TWA:400 ppm	
METHYLCYCLOHEXANE	108-87-2	OSHA	TWA:2000 mg/m3(500 ppm)	
CYCLOHEXANE	110-82-7	ACGIH	TWA:100 ppm	
CYCLOHEXANE	110-82-7	OSHA	TWA:1050 mg/m3(300 ppm)	
ZINC OXIDE	1314-13-2	ACGIH	TWA(respirable fraction):2	
			mg/m3;STEL(respirable	
			fraction):10 mg/m3	
ZINC OXIDE	1314-13-2	OSHA	TWA(as fume):5	
			mg/m3;TWA(as total dust):15	
			mg/m3;TWA(respirable	
			fraction):5 mg/m3	
ETHYL ACETATE	141-78-6	ACGIH	TWA:400 ppm	
ETHYL ACETATE	141-78-6	OSHA	TWA:1400 mg/m3(400 ppm)	
HEPTANE	142-82-5	OSHA	TWA:2000 mg/m3(500 ppm)	
HEPTANE	142-82-5	ACGIH	TWA:400 ppm;STEL:500 ppm	
ACETONE	67-64-1	ACGIH	TWA:500 ppm;STEL:750 ppm	A4: Not class. as human
				carcin
ACETONE	67-64-1	OSHA	TWA:2400 mg/m3(1000 ppm)	

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

CMRG: Chemical Manufacturer's Recommended Guidelines

OSHA: United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average STEL: Short Term Exposure Limit

CEIL: Ceiling

#### 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

General Physical Form:

Specific Physical Form:

Liquid
Liquid

Odor, Color, Grade: Blue in color, characteristic solvent odor.

Odor thresholdNo Data AvailablepHNo Data AvailableMelting pointNo Data Available

**Boiling Point** 133 °F

**Flash Point** 30 °F [*Test Method:* Closed Cup] **Evaporation rate** Approximately 1 [*Ref Std:* BUOAC=1]

Flammability (solid, gas)

Flammable Limits(LEL)

Flammable Limits(UEL)

Vapor Pressure

Not Applicable

No Data Available

No Data Available

180 mmHg

Vapor Density 2 - 4 [Ref Std: AIR=1]
Density No Data Available

Specific Gravity 0.8 - 0.9 [Ref Std: WATER=1]

Solubility in Water Moderate

Solubility- non-water No Data Available Partition coefficient: n-octanol/ water No Data Available **Autoignition temperature** No Data Available No Data Available **Decomposition temperature** 40,000 centipoise Viscosity **Volatile Organic Compounds** No Data Available Percent volatile No Data Available **VOC Less H2O & Exempt Solvents** No Data Available

# **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

Heat

Sparks and/or flames

#### 10.5. Incompatible materials

Strong acids

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.

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:

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.

#### **Skin Contact:**

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

### **Eye Contact:**

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

#### **Ingestion:**

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

May cause target organ effects after ingestion.

### **Target Organ Effects:**

### Single exposure may cause:

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

### **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	Dermal		No data available; calculated ATE > 5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE > 5,000 mg/kg
HEPTANE	Dermal	Rabbit	LD50 3,000 mg/kg
HEPTANE	Inhalation-	Rat	LC50 103 mg/l
	Vapor (4		
	hours)		
HEPTANE	Ingestion	Rat	LD50 > 15,000 mg/kg
ETHYL ACETATE	Dermal	Rabbit	LD50 > 18,000 mg/kg
ETHYL ACETATE	Inhalation-	Rat	LC50 70.5 mg/l
	Vapor (4		
	hours)		
ETHYL ACETATE	Ingestion	Rat	LD50 5,620 mg/kg
ACETONE	Dermal	Rabbit	LD50 > 15,688 mg/kg
ACETONE	Inhalation-	Rat	LC50 76 mg/l
	Vapor (4		
	hours)		
ACETONE	Ingestion	Rat	LD50 5,800 mg/kg
METHYLCYCLOHEXANE	Inhalation-	Mouse	LC50 26 mg/l
	Vapor (4		
	hours)		
METHYLCYCLOHEXANE	Dermal	Rabbit	LD50 > 86,700 mg/kg
METHYLCYCLOHEXANE	Ingestion	Rat	LD50 > 3,200 mg/kg
POLYCHLOROPRENE	Dermal		LD50 estimated to be > 5,000 mg/kg
POLYCHLOROPRENE	Ingestion	Rat	LD50 > 20,000 mg/kg
CYCLOHEXANE	Dermal	Rat	LD50 > 2,000 mg/kg
CYCLOHEXANE	Inhalation-	Rat	LC50 > 32.9 mg/l
	Vapor (4		
	hours)		
CYCLOHEXANE	Ingestion	Rat	LD50 6,200 mg/kg
ZINC OXIDE	Dermal		LD50 estimated to be > 5,000 mg/kg
ZINC OXIDE	Inhalation-	Rat	LC50 > 5.7 mg/l
	Dust/Mist		
	(4 hours)		
ZINC OXIDE	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

Name	Species	Value
HEPTANE	Human	Mild irritant
ETHYL ACETATE	Rabbit	Minimal irritation
ACETONE	Mouse	Minimal irritation
METHYLCYCLOHEXANE	Rabbit	Minimal irritation
POLYCHLOROPRENE	Human	No significant irritation
CYCLOHEXANE	Rabbit	Mild irritant
ZINC OXIDE	Human	No significant irritation
	and	
	animal	

**Serious Eye Damage/Irritation** 

Name	Species	Value
HEPTANE		Moderate irritant
ETHYL ACETATE	Rabbit	Mild irritant
ACETONE	Rabbit	Severe irritant
METHYLCYCLOHEXANE	Rabbit	Mild irritant
POLYCHLOROPRENE		No significant irritation
CYCLOHEXANE	Rabbit	Mild irritant
ZINC OXIDE	Rabbit	Mild irritant

### **Skin Sensitization**

Name	Species	Value
ETHYL ACETATE	Guinea	Not sensitizing
	pig	
ZINC OXIDE	Guinea	Some positive data exist, but the data are not
	pig	sufficient for classification

**Respiratory Sensitization** 

Name Species Value	/alue
--------------------	-------

**Germ Cell Mutagenicity** 

Name	Route	Value
HEPTANE	In Vitro	Not mutagenic
ETHYL ACETATE	In Vitro	Not mutagenic
ETHYL ACETATE	In vivo	Not mutagenic
ACETONE	In vivo	Not mutagenic
ACETONE	In Vitro	Some positive data exist, but the data are not sufficient for classification
CYCLOHEXANE	In Vitro	Not mutagenic
CYCLOHEXANE	In vivo	Some positive data exist, but the data are not sufficient for classification
ZINC OXIDE	In Vitro	Some positive data exist, but the data are not sufficient for classification
ZINC OXIDE	In vivo	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
ACETONE	Not	Multiple	Not carcinogenic
	Specified	animal	
	1	species	
METHYLCYCLOHEXANE	Inhalation	Multiple	Not carcinogenic
		animal	
		species	

# **Reproductive Toxicity**

Reproductive and/or Developmental Effects

Name	Route Value		Species	Test Result	Exposure Duration	
ACETONE	Ingestion	Not toxic to female reproduction	Mouse	NOAEL 11,298 mg/kg/day	13 weeks	
ACETONE	Ingestion	Some positive male reproductive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,700 mg/kg/day	13 weeks	
ACETONE	Inhalation	Some positive developmental data exist, but the data are not sufficient for classification	Rat	NOAEL 5.2 mg/l	during organogenesi s	
CYCLOHEXANE	Inhalation	Not toxic to female reproduction	Rat	NOAEL 24 mg/l	2 generation	
CYCLOHEXANE	Inhalation	Not toxic to male reproduction	Rat	NOAEL 24 mg/l	2 generation	
CYCLOHEXANE	Inhalation	Some positive developmental data exist, but the data are not sufficient for classification	Rat	NOAEL 6.9 mg/l	2 generation	

ZINC OXIDE	Ingestion	Some positive	Multiple	NOAEL 125	premating &	1
		reproductive/developmental data exist,	animal	mg/kg/day	during	1
		but the data are not sufficient for	species		gestation	l
		classification				l

# Target Organ(s)

**Specific Target Organ Toxicity - single exposure** 

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
HEPTANE	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
HEPTANE	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	
HEPTANE	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
ETHYL ACETATE	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
ETHYL ACETATE	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	
ETHYL ACETATE	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
ACETONE	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
ACETONE	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	
ACETONE	Inhalation	immune system	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL 1.19 mg/l	6 hours
ACETONE	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification	Guinea pig	NOAEL Not available	
ACETONE	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	poisoning and/or abuse
METHYLCYCLOHEXAN E	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Multiple animal species	NOAEL Not available	
METHYLCYCLOHEXAN E	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	occupational exposure
CYCLOHEXANE	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	
CYCLOHEXANE	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human and animal	NOAEL Not available	

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
HEPTANE	Inhalation	liver   nervous system   kidney and/or bladder	All data are negative	Rat	NOAEL 12 mg/l	26 weeks
ETHYL ACETATE	Inhalation	endocrine system   liver   nervous system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 0.043 mg/l	90 days
ETHYL ACETATE	Inhalation	hematopoietic system	Some positive data exist, but the data are not sufficient for classification	Rabbit	LOAEL 16 mg/l	40 days
ETHYL ACETATE	Ingestion	hematopoietic system   liver   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 3,600 mg/kg/day	90 days

ACETONE	data are not sufficient for classification		Guinea pig	NOAEL Not available	3 weeks	
ACETONE	Inhalation	hematopoietic system	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL 3 mg/l	6 weeks
ACETONE	data are not sufficient for classification		Human	NOAEL 1.19 mg/l	6 days	
ACETONE	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Guinea pig	NOAEL 119 mg/l	not available
ACETONE	Inhalation	heart   liver	All data are negative	Rat	NOAEL 45 mg/l	8 weeks
ACETONE	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 900 mg/kg/day	13 weeks
ACETONE	Ingestion	heart	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 2,500 mg/kg/day	13 weeks
ACETONE	Ingestion	hematopoietic system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 200 mg/kg/day	13 weeks
ACETONE	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 3,896 mg/kg/day	14 days
ACETONE	Ingestion	eyes	All data are negative		NOAEL 3,400 mg/kg/day	13 weeks
ACETONE	Ingestion	respiratory system	stem All data are negative		NOAEL 2,500 mg/kg/day	13 weeks
ACETONE	Ingestion	muscles	All data are negative	Rat	NOAEL 2,500 mg/kg	13 weeks
ACETONE	Ingestion	skin   bone, teeth, nails, and/or hair	All data are negative	Mouse	NOAEL 11,298 mg/kg/day	13 weeks
METHYLCYCLOHEXA NE	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1.6 mg/l	12 months
METHYLCYCLOHEXA NE	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification	Rabbit	NOAEL 12 mg/l	10 weeks
CYCLOHEXANE	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 24 mg/l	90 days
CYCLOHEXANE	Inhalation	auditory system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1.7 mg/l	90 days
CYCLOHEXANE	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rabbit	NOAEL 2.7 mg/l	10 weeks
CYCLOHEXANE	Inhalation	hematopoietic system	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 24 mg/l	14 weeks
CYCLOHEXANE	Inhalation	peripheral nervous system	All data are negative	Rat	NOAEL 8.6 mg/l	30 weeks
ZINC OXIDE	Ingestion	nervous system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 600 mg/kg/day	10 days
ZINC OXIDE	Ingestion	endocrine system   hematopoietic system   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Other	NOAEL 500 mg/kg/day	6 months

## **Aspiration Hazard**

Nan	ne	V	alue

HEPTANE	Aspiration hazard
METHYLCYCLOHEXANE	Aspiration hazard
CYCLOHEXANE	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**

#### **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. 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.

EPA Hazardous Waste Number (RCRA): D001 (Ignitable)

# **SECTION 14: Transport Information**

For Transport Information, please visit <u>http://3M.com/Transportinfo</u> 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 - Yes 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

Page 11 of 12

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: 3 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:
 16-4015-0
 Version Number:
 15.00

 Issue Date:
 10/09/14
 Supercedes Date:
 03/02/11

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

### 3MTM ESPETM IMPREGUMTM PENTATM / IMPREGUMTM PENTATM MEDIUM BODY / IMPREGUMTM PENTATM L DUOSOFT/ IMPREGUM<sup>TM</sup> PENTA<sup>TM</sup> SOFT LB BASE 12/16/14



# **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:** 16-5547-1 **Version Number:** 5.00 **Issue Date:** 12/16/14 **Supercedes Date:** 02/08/12

# **SECTION 1: Identification**

#### 1.1. Product identifier

3MTM ESPETM IMPREGUMTM PENTATM / IMPREGUMTM PENTATM MEDIUM BODY / IMPREGUMTM PENTATM L DUOSOFT/ IMPREGUM<sup>TM</sup> PENTA<sup>TM</sup> SOFT LB BASE

#### **Product Identification Numbers**

LE-FSFD-3122-6, EF-SFD6-3122-6

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

### Recommended use

Dental Product, Impression material

#### **Restrictions on use**

For use only by dental professionals

### 1.3. Supplier's details

**MANUFACTURER:** 

**DIVISION:** 3M ESPE Dental Products

**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 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 1A.

#### 2.2. Label elements

Signal word

Warning

# $3M^{\rm TM} \, ESPE^{\rm TM} \, IMPREGUM^{\rm TM} \, PENTA^{\rm TM} \, / \, IMPREGUM^{\rm TM} \, PENTA^{\rm TM} \, MEDIUM \, BODY \, / \, IMPREGUM^{\rm TM} \, PENTA^{\rm TM} \, L \, \, DUOSOFT / \, IMPREGUM^{\rm TM} \, PENTA^{\rm TM} \, SOFT \, LB \, BASE \quad 12/16/14$

#### **Symbols**

Exclamation mark |

#### **Pictograms**



### **Hazard Statements**

Causes eye irritation.

May cause an allergic skin reaction.

#### **Precautionary Statements**

#### **Prevention:**

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
POLYETHER	110531-92-5	55 - 65 Trade Secret *
DIATOMACEOUS EARTH	68855-54-9	5 - 20 Trade Secret *
FATTY ACID TRIGLYCERIDES	67701-27-3	5 - 20 Trade Secret *
DIBENZYL TOLUENE	26898-17-9	0 - 10 Trade Secret *
C.I. PIGMENT WHITE 5	1345-05-7	< 2 Trade Secret *
1-DODECYLIMIDAZOLE	4303-67-7	< 0.9 Trade Secret *

<sup>\*</sup>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:**

### 3MTM ESPETM IMPREGUMTM PENTATM / IMPREGUMTM PENTATM MEDIUM BODY / IMPREGUMTM PENTATM L DUOSOFT/ IMPREGUM<sup>TM</sup> PENTA<sup>TM</sup> SOFT LB BASE 12/16/14

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.

#### **Eve 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**

Substance Carbon monoxide Carbon dioxide Irritant Vapors or Gases

#### Condition

**During Combustion 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

### 3MTM ESPETM IMPREGUMTM PENTATM / IMPREGUMTM PENTATM MEDIUM BODY / IMPREGUMTM PENTATM L DUOSOFT/ IMPREGUM<sup>TM</sup> PENTA<sup>TM</sup> SOFT LB BASE 12/16/14

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. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) A no-touch technique is recommended. If skin contact occurs, wash skin with soap and water. If product contacts glove, remove and discard glove, wash hands immediately with soap and water and then re-glove.

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

Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidizing agents.

# **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

Respiratory protection is not required.

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

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

**General Physical Form:** Solid **Specific Physical Form:** Paste

Odor, Color, Grade: characteristic odor, purple paste

**Odor threshold** No Data Available Not Applicable рH **Melting point** Not Applicable **Boiling Point** Not Applicable

Flash point > 93 °C (200 °F) Flash Point

Not Applicable **Evaporation rate** Not Classified Flammability (solid, gas) Flammable Limits(LEL) Not Applicable Flammable Limits(UEL) Not Applicable No Data Available Vapor Pressure

# ${\bf 3M^{TM}~ESPE^{TM}~IMPREGUM^{TM}~PENTA^{TM}~/~IMPREGUM^{TM}~PENTA^{TM}~MEDIUM~BODY~/~IMPREGUM^{TM}~PENTA^{TM}~L~DUOSOFT/IMPREGUM^{TM}~PENTA^{TM}~SOFT~LB~BASE~~12/16/14}$

No Data Available

**Vapor Density**No Data Available **Density**1 - 1.2 g/cm3

**Specific Gravity** > 1 [*Ref Std:* WATER=1]

Negligible Solubility in Water Solubility- non-water No Data Available Partition coefficient: n-octanol/ water No Data Available No Data Available **Autoignition temperature Decomposition temperature** No Data Available Viscosity 40 Pa-s - 150 Pa-s **Volatile Organic Compounds** No Data Available Percent volatile No Data Available

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

**VOC Less H2O & Exempt Solvents** 

#### 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

### 10.5. Incompatible materials

Strong acids
Strong bases
Strong oxidizing agents

#### 10.6. Hazardous decomposition products

<u>Substance</u> <u>Condition</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.

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.

The information below represents toxicological information associated with the individual components of the uncured product. Once properly mixed and/or cured, the product is safe for its intended use.

### 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:**

May be harmful in contact with skin.

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	Dermal		No data available; calculated ATE 2,000 - 5,000
-			mg/kg
Overall product	Ingestion		No data available; calculated ATE 2,000 - 5,000
			mg/kg
POLYETHER	Dermal	Professio	LD50 Not applicable
		nal	
		judgeme	
		nt	
POLYETHER	Ingestion	Rat	LD50 > 2,000 mg/kg
DIATOMACEOUS EARTH	Dermal	Rabbit	LD50 > 5,000 mg/kg
DIATOMACEOUS EARTH	Inhalation-	Rat	LC50 > 0.691 mg/l
	Dust/Mist		
	(4 hours)		
DIATOMACEOUS EARTH	Ingestion	Rat	LD50 > 5,110 mg/kg
FATTY ACID TRIGLYCERIDES	Dermal	Rabbit	LD50 > 2,000 mg/kg
FATTY ACID TRIGLYCERIDES	Ingestion	Rat	LD50 > 2,000 mg/kg
DIBENZYL TOLUENE	Dermal	Rabbit	LD50 > 2,000 mg/kg
DIBENZYL TOLUENE	Ingestion	Rat	LD50 > 10,360 mg/kg
C.I. PIGMENT WHITE 5	Ingestion	Rat	LD50 > 15,000 mg/kg
C.I. PIGMENT WHITE 5	Dermal	similar	LD50 > 1,000 mg/kg
		compoun	
		ds	
C.I. PIGMENT WHITE 5	Inhalation-	similar	LC50 > 2.52 mg/l
	Dust/Mist	compoun	
	(4 hours)	ds	
1-DODECYLIMIDAZOLE	Ingestion	Rat	LD50 641 mg/kg

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

Name	Species	Value
POLYETHER	Rabbit	No significant irritation
DIATOMACEOUS EARTH	Rabbit	No significant irritation

# $3M^{TM}\ ESPE^{TM}\ IMPREGUM^{TM}\ PENTA^{TM}\ /\ IMPREGUM^{TM}\ PENTA^{TM}\ MEDIUM\ BODY\ /\ IMPREGUM^{TM}\ PENTA^{TM}\ L\ DUOSOFT\ /\ IMPREGUM^{TM}\ PENTA^{TM}\ SOFT\ LB\ BASE 12/16/14$

1-DODECYLIMIDAZOLE	Rabbit	Mild irritant
--------------------	--------	---------------

### **Serious Eye Damage/Irritation**

Name	Species	Value
POLYETHER	Rabbit	Moderate irritant
DIATOMACEOUS EARTH	Rabbit	No significant irritation
1-DODECYLIMIDAZOLE	In vitro	Severe irritant
	data	

#### **Skin Sensitization**

Name	Species	Value
POLYETHER	Guinea	Not sensitizing
	pig	
DIATOMACEOUS EARTH	Human	Not sensitizing
	and	
	animal	
1-DODECYLIMIDAZOLE	Mouse	Sensitizing

### **Respiratory Sensitization**

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

**Germ Cell Mutagenicity** 

O C I III O C II I I I I I I I I I I I I		
Name	Route	Value
POLYETHER	In Vitro	Not mutagenic
DIATOMACEOUS EARTH	In Vitro	Not mutagenic
1-DODECYLIMIDAZOLE	In Vitro	Not mutagenic

#### Carcinogenicity

caremogeniery			
Name	Route	Species	Value
DIATOMACEOUS EARTH	Not	Mouse	Some positive data exist, but the data are not
	Specified		sufficient for classification

### Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
DIATOMACEOUS EARTH	Ingestion	Not toxic to female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
DIATOMACEOUS EARTH	Ingestion	Not toxic to male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
DIATOMACEOUS EARTH	Ingestion	Not toxic to development	Rat	NOAEL 1,350 mg/kg/day	during organogenesi s

### 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.

**Specific Target Organ Toxicity - repeated exposure** 

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
DIATOMACEOUS EARTH	Inhalation	respiratory system   silicosis	All data are negative	Human	NOAEL Not available	occupational exposure

### **Aspiration Hazard**

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

 ${\bf 3M^{TM}~ESPE^{TM}~IMPREGUM^{TM}~PENTA^{TM}~IMPREGUM^{TM}~PENTA^{TM}~MEDIUM~BODY~IMPREGUM^{TM}~PENTA^{TM}~L~DUOSOFT/IMPREGUM^{TM}~PENTA^{TM}~SOFT~LB~BASE~~12/16/14}$ 

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.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste.

EPA Hazardous Waste Number (RCRA): Not regulated

# **SECTION 14: Transport Information**

For Transport Information, please visit <u>http://3M.com/Transportinfo</u> 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.

 ${\bf 3M^{TM}~ESPE^{TM}~IMPREGUM^{TM}~PENTA^{TM}~/~IMPREGUM^{TM}~PENTA^{TM}~MEDIUM~BODY~/~IMPREGUM^{TM}~PENTA^{TM}~L~DUOSOFT/IMPREGUM^{TM}~PENTA^{TM}~SOFT~LB~BASE~~12/16/14}$ 

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:
 16-5547-1
 Version Number:
 5.00

 Issue Date:
 12/16/14
 Supercedes Date:
 02/08/12

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

# ${\bf 3M^{TM}~ESPE^{TM}~IMPREGUM^{TM}~PENTA^{TM}/IMPREGUM^{TM}~PENTA^{TM}~MEDIUM~BODY/~IMPREGUM^{TM}~PENTA^{TM}~L~DUOSOFT/IMPREGUM^{TM}~PENTA^{TM}~SOFT~LB~CATALYST~~02/11/15}$



# **Safety Data Sheet**

Copyright,2015,3M 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:
 16-5550-5
 Version Number:
 7.00

 Issue Date:
 02/11/15
 Supercedes Date:
 02/08/12

# **SECTION 1: Identification**

#### 1.1. Product identifier

 $3M^{TM}\ ESPE^{TM}\ IMPREGUM^{TM}\ PENTA^{TM}\ /\ IMPREGUM^{TM}\ PENTA^{TM}\ MEDIUM\ BODY\ /\ IMPREGUM^{TM}\ PENTA^{TM}\ L\ DUOSOFT/\ IMPREGUM^{TM}\ PENTA^{TM}\ SOFT\ LB\ CATALYST$ 

#### **Product Identification Numbers**

LE-FSFD-3122-9, EF-SFD6-3122-9

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

#### Recommended use

Dental Product, Impression material

#### **Restrictions on use**

For use only by dental professionals

#### 1.3. Supplier's details

**MANUFACTURER:** 3M

**DIVISION:** 3M ESPE Dental Products

**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 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.

Specific Target Organ Toxicity (central nervous system): Category 3.

#### 2.2. Label elements

#### Signal word

Warning

#### **Symbols**

# $3M^{\rm TM} \, ESPE^{\rm TM} \, IMPREGUM^{\rm TM} \, PENTA^{\rm TM} \, / \, IMPREGUM^{\rm TM} \, PENTA^{\rm TM} \, MEDIUM \, BODY \, / \, \, IMPREGUM^{\rm TM} \, PENTA^{\rm TM} \, L \, \, DUOSOFT / \, IMPREGUM^{\rm TM} \, PENTA^{\rm TM} \, SOFT \, LB \, CATALYST \, 02/11/15$

Exclamation mark |

### **Pictograms**



### **Hazard Statements**

Causes eye irritation.

May cause drowsiness or dizziness.

#### **Precautionary Statements**

#### **Prevention:**

Use only in a well-ventilated area.

Wash thoroughly after handling.

#### **Response:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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.

Call a POISON CENTER or doctor/physician if you feel unwell.

#### Storage:

Store in a well-ventilated place. Keep container tightly closed.

### 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
CITRIC ESTER	77-90-7	35 - 50 Trade Secret *
SULFONIUM SALT	72140-65-9	15 - 30 Trade Secret *
SILANE TREATEAD SILICA	68909-20-6	20 - 30 Trade Secret *
DIATOMACEOUS EARTH	68855-54-9	10 - 20 Trade Secret *
POLYETHYLENE-POLYPROPYLENE GLYCOL	9003-11-6	1 - 5 Trade Secret *

<sup>\*</sup>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.

### 3MTM ESPETM IMPREGUMTM PENTATM / IMPREGUMTM PENTATM MEDIUM BODY / IMPREGUMTM PENTATM L DUOSOFT/ IMPREGUM<sup>TM</sup> PENTA<sup>TM</sup> SOFT LB CATALYST 02/11/15

#### **Skin Contact:**

Wash with soap and water. 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**

### **Substance** Carbon monoxide

Carbon dioxide Irritant Vapors or Gases

### Condition

**During Combustion 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

Avoid prolonged or repeated skin contact. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidizing agents

### 3MTM ESPETM IMPREGUMTM PENTATM / IMPREGUMTM PENTATM MEDIUM BODY / IMPREGUMTM PENTATM L DUOSOFT/ IMPREGUM<sup>TM</sup> PENTA<sup>TM</sup> SOFT LB CATALYST 02/11/15

(eg. chlorine, chromic acid etc.)

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

Store in a well-ventilated place. Keep container tightly closed. Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidizing agents.

# **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

Respiratory protection is not required.

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

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

**General Physical Form:** Solid **Specific Physical Form:** Paste

Odor, Color, Grade: Dark red color, slightly acrid odor

**Odor threshold** No Data Available Not Applicable рH **Melting point** Not Applicable **Boiling Point** Not Applicable

Flash Point Flash point > 93 °C (200 °F)

No Data Available **Evaporation rate** Not Classified Flammability (solid, gas) Flammable Limits(LEL) Not Applicable Flammable Limits(UEL) Not Applicable No Data Available Vapor Pressure **Vapor Density** No Data Available **Density** 1.1 g/cm3 - 1.4 g/cm3 >= 1 [*Ref Std*: WATER=1] **Specific Gravity** 

# ${\bf 3M^{TM}~ESPE^{TM}~IMPREGUM^{TM}~PENTA^{TM}/IMPREGUM^{TM}~PENTA^{TM}~MEDIUM~BODY/~IMPREGUM^{TM}~PENTA^{TM}~L~DUOSOFT/IMPREGUM^{TM}~PENTA^{TM}~SOFT~LB~CATALYST\\ 02/11/15$

Solubility in Water Negligible

Solubility- non-water No Data Available Partition coefficient: n-octanol/ water No Data Available **Autoignition temperature** Not Applicable **Decomposition temperature** No Data Available No Data Available Viscosity Volatile Organic Compounds Not Applicable Percent volatile Not Applicable **VOC Less H2O & Exempt Solvents** Not Applicable

# **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

#### 10.5. Incompatible materials

Strong acids Strong bases 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.

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. The information below represents toxicological information associated with the individual components of the uncured

product. Once properly mixed and/or cured, the product is safe for its intended use.

### 11.1. Information on Toxicological effects

Signs and Symptoms of Exposure

D 7 0 0

#### 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:**

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

#### **Eve 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.

May cause additional health effects (see below).

#### **Additional Health Effects:**

#### Single exposure may cause target organ effects:

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

### **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**

Overall product         Dermal         No data available; calculated ATE > 5,000 mg           Overall product         Ingestion         No data available; calculated ATE > 5,000 mg           CITRIC ESTER         Dermal         Professional judgeme nt         LD50 estimated to be > 5,000 mg/kg           CITRIC ESTER         Ingestion         Rat         LD50 > 25,000 mg/kg           SILANE TREATEAD SILICA         Dermal         Rabbit         LD50 > 5,000 mg/kg           SILANE TREATEAD SILICA         Inhalation-Dust/Mist (4 hours)         Rat         LC50 > 0.691 mg/l           SILANE TREATEAD SILICA         Ingestion         Rat         LD50 > 5,110 mg/kg           SULFONIUM SALT         Dermal         Professional judgeme nt         LD50 estimated to be 2,000 - 5,000 mg/kg           SULFONIUM SALT         Ingestion         Rat         LD50 > 5,110 mg/kg           SULFONIUM SALT         Dermal         Rabbit         LD50 > 5,000 mg/kg           DIATOMACEOUS EARTH         Inhalation-Dust/Mist (4 hours)         Rat         LC50 > 0.691 mg/l           DIATOMACEOUS EARTH         Ingestion         Rat         LD50 > 5,110 mg/kg		Value	Species	Route	Name
CITRIC ESTER  Dermal  Dermal  Professio nal judgeme nt  LD50 estimated to be > 5,000 mg/kg  LD50 estimated to be > 5,000 mg/kg  Rat LD50 > 25,000 mg/kg  LD50 > 25,000 mg/kg  LD50 > 5,000 mg/kg  LD50 > 5,110 mg/kg  LD50 = 5,110 mg/kg  LD50 > 5,110 mg/kg  LD50 = 5,000	5,000 mg/kg	No data available; calculated ATE > 5,000 m		Dermal	Overall product
CITRIC ESTER  Ingestion SILANE TREATEAD SILICA SILANE TREATEAD SILICA  SILANE TREATEAD SILICA  SILANE TREATEAD SILICA  Inhalation- Dust/Mist (4 hours)  SILANE TREATEAD SILICA  Ingestion  SILANE TREATEAD SILICA  Ingestion  Rat  LD50 > 5,000 mg/kg  LC50 > 0.691 mg/l  LD50 = 5,110 mg/kg  LD50 estimated to be 2,000 - 5,000 mg/kg  LD50 estimated to be 2,000 - 5,000 mg/kg  Ingestion  Rat  LD50 > 2,000 mg/kg  LD50 estimated to be 2,000 - 5,000 mg/kg  Inhalation- Dust/Mist (4 hours)  DIATOMACEOUS EARTH  Ingestion  Rat  LD50 > 2,000 mg/kg  LD50 estimated to be 2,000 - 5,000 mg/kg  LD50 estimated to be 2,000 - 5,000 mg/kg  LD50 estimated to be 2,000 - 5,000 mg/kg  LD50 > 5,000 mg/kg  LD50 > 5,000 mg/kg  Rat  LC50 > 0.691 mg/l  Inhalation- Dust/Mist (4 hours)  DIATOMACEOUS EARTH  Ingestion  Rat  LD50 > 5,110 mg/kg	5,000 mg/kg	No data available; calculated ATE > 5,000 m		Ingestion	Overall product
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		LD50 estimated to be > 5,000 mg/kg	Professio	Dermal	CITRIC ESTER
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			nal		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			judgeme		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				Ü	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		LD50 > 5,000 mg/kg	Rabbit	Dermal	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		LC50 > 0.691 mg/l	Rat		SILANE TREATEAD SILICA
SILANE TREATEAD SILICA       Ingestion       Rat       LD50 > 5,110 mg/kg         SULFONIUM SALT       Dermal       Professio nal judgeme nt       LD50 estimated to be 2,000 - 5,000 mg/kg         SULFONIUM SALT       Ingestion       Rat       LD50 > 2,000 mg/kg         DIATOMACEOUS EARTH       Dermal       Rabbit       LD50 > 5,000 mg/kg         DIATOMACEOUS EARTH       Inhalation-Dust/Mist (4 hours)       Rat       LC50 > 0.691 mg/l         DIATOMACEOUS EARTH       Ingestion       Rat       LD50 > 5,110 mg/kg					
SULFONIUM SALTDermalProfessio nal judgeme ntLD50 estimated to be 2,000 - 5,000 mg/kgSULFONIUM SALTIngestionRatLD50 > 2,000 mg/kgDIATOMACEOUS EARTHDermalRabbitLD50 > 5,000 mg/kgDIATOMACEOUS EARTHInhalation-Dust/Mist (4 hours)RatLC50 > 0.691 mg/lDIATOMACEOUS EARTHIngestionRatLD50 > 5,110 mg/kg				(	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		LD50 > 5,110 mg/kg	Rat	Ingestion	SILANE TREATEAD SILICA
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ıg/kg	LD50 estimated to be 2,000 - 5,000 mg/kg	Professio	Dermal	SULFONIUM SALT
nt			nal		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			judgeme		
DIATOMACEOUS EARTH Dermal Rabbit $LD50 > 5,000 \text{ mg/kg}$ DIATOMACEOUS EARTH Inhalation-Dust/Mist $(4 \text{ hours})$ Rat $LC50 > 0.691 \text{ mg/l}$ DIATOMACEOUS EARTH Ingestion Rat $LD50 > 5,110 \text{ mg/kg}$			nt		
DIATOMACEOUS EARTH $ \begin{array}{ccccccccccccccccccccccccccccccccccc$		LD50 > 2,000 mg/kg	Rat	Ingestion	SULFONIUM SALT
Dust/Mist (4 hours)		LD50 > 5,000 mg/kg	Rabbit	Dermal	DIATOMACEOUS EARTH
DIATOMACEOUS EARTH (4 hours)  Rat LD50 > 5,110 mg/kg		LC50 > 0.691 mg/l	Rat	Inhalation-	DIATOMACEOUS EARTH
DIATOMACEOUS EARTH Ingestion Rat LD50 > 5,110 mg/kg				Dust/Mist	
=======================================		I		(4 hours)	
DOLVETUVI ENE DOLVDDODVI ENE CLVCOL Dormal Drofaccio LD50 actimated to he > 5,000 mg/kg		LD50 > 5,110 mg/kg	Rat	Ingestion	DIATOMACEOUS EARTH
FOLTETH LENE-FOLTEROFT LENE OF I COL   Definal   Professio   ED30 estimated to be > 5,000 mg/kg		LD50 estimated to be > 5,000 mg/kg	Professio	Dermal	POLYETHYLENE-POLYPROPYLENE GLYCOL
nal			nal		
judgeme			judgeme		
nt		1			
POLYETHYLENE-POLYPROPYLENE GLYCOL Ingestion Rat LD50 5,700 mg/kg		LD50 5,700 mg/kg	Rat	Ingestion	POLYETHYLENE-POLYPROPYLENE GLYCOL

ATE = acute toxicity estimate

### **Skin Corrosion/Irritation**

|--|

# $3M^{\rm TM} \, ESPE^{\rm TM} \, IMPREGUM^{\rm TM} \, PENTA^{\rm TM} \, / \, IMPREGUM^{\rm TM} \, PENTA^{\rm TM} \, MEDIUM \, BODY \, / \, \, IMPREGUM^{\rm TM} \, PENTA^{\rm TM} \, L \, DUOSOFT / \, IMPREGUM^{\rm TM} \, PENTA^{\rm TM} \, SOFT \, LB \, CATALYST \, 02/11/15$

SILANE TREATEAD SILICA	Rabbit	No significant irritation
SULFONIUM SALT	Rabbit	Mild irritant
DIATOMACEOUS EARTH	Rabbit	No significant irritation

**Serious Eye Damage/Irritation** 

Name	Species	Value
SILANE TREATEAD SILICA	Rabbit	No significant irritation
SULFONIUM SALT	similar	Moderate irritant
	health	
	hazards	
DIATOMACEOUS EARTH	Rabbit	No significant irritation

### **Skin Sensitization**

Name	Species	Value
SILANE TREATEAD SILICA	Human	Not sensitizing
	and	
	animal	
DIATOMACEOUS EARTH	Human	Not sensitizing
	and	
	animal	

### **Respiratory Sensitization**

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

**Germ Cell Mutagenicity** 

o transferrency		
Name	Route	Value
SILANE TREATEAD SILICA	In Vitro	Not mutagenic
SULFONIUM SALT	In Vitro	Not mutagenic
DIATOMACEOUS EARTH	In Vitro	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
SILANE TREATEAD SILICA	Not	Mouse	Some positive data exist, but the data are not
	Specified		sufficient for classification
DIATOMACEOUS EARTH	Not	Mouse	Some positive data exist, but the data are not
	Specified		sufficient for classification

### **Reproductive Toxicity**

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
SILANE TREATEAD SILICA	Ingestion	Not toxic to female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
SILANE TREATEAD SILICA	Ingestion	Not toxic to male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
SILANE TREATEAD SILICA	Ingestion	Not toxic to development	Rat	NOAEL 1,350 mg/kg/day	during organogenesi s
DIATOMACEOUS EARTH	Ingestion	Not toxic to female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
DIATOMACEOUS EARTH	Ingestion	Not toxic to male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
DIATOMACEOUS EARTH	Ingestion	Not toxic to development	Rat	NOAEL 1,350 mg/kg/day	during organogenesi s

### Target Organ(s)

### 3MTM ESPETM IMPREGUMTM PENTATM / IMPREGUMTM PENTATM MEDIUM BODY / IMPREGUMTM PENTATM L DUOSOFT/ IMPREGUM<sup>TM</sup> PENTA<sup>TM</sup> SOFT LB CATALYST 02/11/15

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
SULFONIUM SALT	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Rat	LOAEL 2,000 mg/kg	not applicable

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
SILANE TREATEAD SILICA	Inhalation	respiratory system   silicosis	All data are negative	Human	NOAEL Not available	occupational exposure
DIATOMACEOUS	Inhalation	respiratory system	All data are negative	Human	NOAEL Not	occupational
EARTH		silicosis			available	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**

### **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.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste.

EPA Hazardous Waste Number (RCRA): Not regulated

# **SECTION 14: Transport Information**

For Transport Information, please visit <a href="http://3M.com/Transportinfo">http://3M.com/Transportinfo</a> 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:

# $3M^{\rm TM} \ ESPE^{\rm TM} \ IMPREGUM^{\rm TM} \ PENTA^{\rm TM} \ / \ IMPREGUM^{\rm TM} \ PENTA^{\rm TM} \ MEDIUM \ BODY \ / \ IMPREGUM^{\rm TM} \ PENTA^{\rm TM} \ L \ DUOSOFT \ / \ IMPREGUM^{\rm TM} \ PENTA^{\rm TM} \ SOFT \ LB \ CATALYST \ 02/11/15$

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: 1 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:
 16-5550-5
 Version Number:
 7.00

 Issue Date:
 02/11/15
 Supercedes Date:
 02/08/12

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