



**3M General Offices**  
3M Center  
St. Paul, MN 55144-1000  
1-800-364-3577 or (651) 737-6501 (24 hours)

## Safety Data Sheet

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Purchase Order #: 842407,842638,843031,843322,843701,843895,844425,844732,846154,846941,848547,849764,849947,85  
Customer Number: 0096029960 SDS Coordinator  
DENTAL HEALTH PRODUCTS INC  
2614 N SUGAR BUSH RD  
NEW FRANKEN, WI 54229-9346  
USA

Dear SDS Coordinator

Enclosed is the Safety Data Sheet (SDS)\* for the product that your company recently purchased from 3M.

Please forward the attached document(s) to the individual in your organization responsible for hazard communication.

If you are a distributor and resell this product, OSHA and EPA require that you transmit this SDS information to your customers at the time of first shipment or whenever you receive revised SDSs from 3M.

3M SDSs are available over the Internet at [www.3m.com/MSDSSearch](http://www.3m.com/MSDSSearch).

3M is committed to meeting our customer requirements. Please contact your 3M customer service or sales representative if you have any questions. If you do not know whom to contact, please call the 3M Product Information Center at 1-800-364-3577.

**If you are not currently receiving 3M SDSs by e-mail and would like to do so, please contact our eSDS Administrator at [emsdsadmin@mmm.com](mailto:emsdsadmin@mmm.com)**

\*An Article Information Sheet (AIS) or Article Information Letter (AIL) may be enclosed in place of an SDS if the product is an article which does not require an SDS under the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.



## Safety Data Sheet

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**Document Group:** 16-2809-8 **Version Number:** 11.00  
**Issue Date:** 07/29/24 **Supersedes Date:** 07/29/24

### Product identifier

3M™ Photac™ Fil Quick Aplicap™ Refill (61000, 61010, 61020, 61021, 61030, 61031, 61040, 61041, 61050, 61051, 61060, 61061, 61070, 61071, 61080, 61081, 61082, 61083, 61084, 61090, 61200)

### ID Number(s):

70-2011-0115-4, 70-2011-0116-2, 70-2011-0118-8, 70-2011-0119-6, 70-2011-0120-4, 70-2011-0121-2, 70-2011-0122-0, 70-2011-0123-8, 70-2011-0124-6, 70-2011-0415-8, 70-2011-0425-7, 70-2011-0426-5, 70-2011-0427-3, 70-2011-0428-1, 70-2011-0429-9, 70-2011-0430-7, 70-2011-0431-5, 70-2011-0432-3, 70-2011-4136-6, 70-2011-4137-4, 70-2011-4138-2, 70-2011-4354-5, 70-2011-4355-2, 70-2011-4356-0, 70-2011-4357-8, 70-2011-4358-6, 70-2011-4359-4, 70-2011-4360-2, 70-2011-4361-0, 70-2011-4362-8, 70-2011-4363-6, 70-2011-4364-4, 70-2011-4365-1, 70-2011-4529-2, UU-0109-0670-7, UU-0109-0672-3, UU-0109-0674-9, UU-0109-0675-6, UU-0109-3686-0, UU-0113-5558-1, UU-0113-5559-9, UU-0113-7314-7, UU-0114-1684-7

7000054701, 7000054700, 7000054697, 7000054696, 7000054702, 7000054699, 7000054698, 7000055247, 7000055248, 7000055249, 7100042029, 7100042032, 7100041514, 7100041987, 7100041986, 7100042030, 7100041989, 7100042031, 7100041515, 7100041985, 7100231137, 7100041516, 7100041988, 7100227767, 7100227768, 7100222162, 7100227765, 7100136824, 7100249787, 7100249786, 7100252620, 7100253129

### Recommended use

Dental Product, Restorative

### Restrictions on use

For use only by dental professionals

### Supplier's details

**MANUFACTURER:** 3M  
**DIVISION:** Dental Solutions  
**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:**

16-2807-2, 16-2808-0

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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.

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|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Document Group:</b> | 16-2808-0 | <b>Version Number:</b>  | 10.00    |
| <b>Issue Date:</b>     | 11/30/22  | <b>Supersedes Date:</b> | 08/21/20 |

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Photac™ Fil Quick Aplicap™ Powder

#### Product Identification Numbers

LE-FSFD-6100-2

#### 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 details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Oral Care Solutions Division            |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA |
| <b>Telephone:</b>    | 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

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### 2.2. Label elements

##### Signal word

Not applicable.

##### Symbols

Not applicable.

**Pictograms**

Not applicable.

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

| Ingredient  | C.A.S. No. | % by Wt              |
|---|------------|----------------------|
| Glass powder (65997-17-3), surface modified with 2-propenoic acid, 2 methyl-.3-(trimethoxysilyl)propyl ester (2530-85-0), bulk material | None       | > 99 Trade Secret *  |
| N,N-DIMETHYLBENZOCAINE  | 10287-53-3 | < 0.3 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:**

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**

No critical symptoms or effects. 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**

Material will not burn.

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

None inherent in this product.

**Hazardous Decomposition or By-Products****Substance**

None known.

**Condition**

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**

Evacuate area. Ventilate the area with fresh air. Observe precautions from other sections.

**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. Use wet sweeping compound or water to avoid dusting. Sweep up. 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 in accordance with applicable local/regional/national/international regulations.

**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 eat, drink or smoke when using this product. Wash thoroughly after handling.

**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****Appearance****Physical state**

Solid

**Color**

White-Gray

|  |                               |
|--|-------------------------------|
| <b>Specific Physical Form:</b>                 | Powder                        |
| <b>Odor</b>                                    | Odorless                      |
| <b>Odor threshold</b>                          | <i>No Data Available</i>      |
| <b>pH</b>                                      | <i>Not Applicable</i>         |
| <b>Melting point</b>                           | <i>No Data Available</i>      |
| <b>Boiling Point</b>                           | <i>Not Applicable</i>         |
| <b>Flash Point</b>                             | No flash point                |
| <b>Evaporation rate</b>                        | <i>Not Applicable</i>         |
| <b>Flammability (solid, gas)</b>               | Not Classified                |
| <b>Flammable Limits(LEL)</b>                   | <i>Not Applicable</i>         |
| <b>Flammable Limits(UEL)</b>                   | <i>Not Applicable</i>         |
| <b>Vapor Pressure</b>                          | <i>Not Applicable</i>         |
| <b>Vapor Density</b>                           | <i>Not Applicable</i>         |
| <b>Specific Gravity</b>                        | $\geq 1.0$ [Ref Std: WATER=1] |
| <b>Solubility in Water</b>                     | Nil                           |
| <b>Solubility- non-water</b>                   | <i>No Data Available</i>      |
| <b>Partition coefficient: n-octanol/ water</b> | <i>No Data Available</i>      |
| <b>Autoignition temperature</b>                | <i>No Data Available</i>      |
| <b>Decomposition temperature</b>               | <i>No Data Available</i>      |
| <b>Viscosity</b>                               | <i>Not Applicable</i>         |
| <b>Molecular weight</b>                        | <i>Not Applicable</i>         |
| <b>Volatile Organic Compounds</b>              | <i>Not Applicable</i>         |
| <b>Percent volatile</b>                        | <i>Not Applicable</i>         |
| <b>VOC Less H2O &amp; Exempt Solvents</b>      | <i>Not Applicable</i>         |

## 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

#### Substance

None known.

#### Condition

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:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

##### Skin Contact:

Mechanical Skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching.

##### Eye Contact:

Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

##### 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 |
| Glass powder (65997-17-3), surface modified with 2-propenoic acid, 2 methyl-3-(trimethoxysilyl)propyl ester (2530-85-0), bulk material | Dermal    |         | LD50 estimated to be > 5,000 mg/kg                      |
| Glass powder (65997-17-3), surface modified with 2-propenoic acid, 2 methyl-3-(trimethoxysilyl)propyl ester (2530-85-0), bulk material | Ingestion |         | LD50 estimated to be 2,000 - 5,000 mg/kg                |
| N,N-DIMETHYLBENZOCAINE   | Dermal    | Rat     | LD50 > 2,000 mg/kg                                      |
| N,N-DIMETHYLBENZOCAINE   | Ingestion | Rat     | LD50 > 2,000 mg/kg                                      |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name   | Species               | Value                     |
|--|-----------------------|---------------------------|
| Glass powder (65997-17-3), surface modified with 2-propenoic acid, 2 methyl-3-(trimethoxysilyl)propyl ester (2530-85-0), bulk material | Professional judgment | No significant irritation |
| N,N-DIMETHYLBENZOCAINE   | Rabbit                | No significant irritation |

#### Serious Eye Damage/Irritation

| Name   | Species      | Value                     |
|--|--------------|---------------------------|
| Glass powder (65997-17-3), surface modified with 2-propenoic acid, 2 methyl-3-(trimethoxysilyl)propyl ester (2530-85-0), bulk material | Professional | No significant irritation |

|                        |           |                           |
|------------------------|-----------|---------------------------|
|                        | judgement |                           |
| N,N-DIMETHYLBENZOCAINE | Rabbit    | No significant irritation |

### Skin Sensitization

| Name                   | Species | Value          |
|------------------------|---------|----------------|
| N,N-DIMETHYLBENZOCAINE |         | Not classified |

### Respiratory Sensitization

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

### Germ Cell Mutagenicity

| Name                   | Route    | Value  |
|------------------------|----------|--|
| N,N-DIMETHYLBENZOCAINE | In vivo  | Not mutagenic  |
| N,N-DIMETHYLBENZOCAINE | In Vitro | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

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

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name                   | Route     | Value                                  | Species | Test Result         | Exposure Duration          |
|------------------------|-----------|--|---------|---------------------|----------------------------|
| N,N-DIMETHYLBENZOCAINE | Ingestion | Not classified for female reproduction | Rat     | NOAEL 600 mg/kg/day | prematuring into lactation |
| N,N-DIMETHYLBENZOCAINE | Ingestion | Not classified for development         | Rat     | NOAEL 50 mg/kg/day  | prematuring into lactation |
| N,N-DIMETHYLBENZOCAINE | Ingestion | Toxic to male reproduction             | Rat     | NOAEL 50 mg/kg/day  | 53 days                    |

### 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 |
|------------------------|-----------|--|--|---------|---------------------|-------------------|
| N,N-DIMETHYLBENZOCAINE | Ingestion | hematopoietic system   | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 74 mg/kg/day  | 28 days           |
| N,N-DIMETHYLBENZOCAINE | Ingestion | liver   heart   endocrine system   gastrointestinal tract   bone, teeth, nails, and/or hair   immune system   muscles   nervous system   eyes   kidney and/or bladder   respiratory system   vascular system | Not classified   | Rat     | NOAEL 900 mg/kg/day | 28 days           |

### 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 waste product in a permitted industrial waste facility. As a disposal alternative, 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.

#### EPCRA 311/312 Hazard Classifications:

##### Physical Hazards

Not applicable

##### Health Hazards

Not applicable

### 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:** 0 **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.

|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Document Group:</b> | 16-2808-0 | <b>Version Number:</b>  | 10.00    |
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|------------------------|-----------|-------------------------|----------|
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| <b>Issue Date:</b>     | 08/20/20  | <b>Supersedes Date:</b> | 01/18/18 |

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Photac™ Fil Quick Aplicap™ Liquid

#### Product Identification Numbers

LE-FSFD-6100-1

#### 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 details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Oral Care Solutions Division            |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA |
| <b>Telephone:</b>    | 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 2A.

Skin Corrosion/Irritation: Category 2.

Skin Sensitizer: Category 1.

Carcinogenicity: Category 2.

#### 2.2. Label elements

##### Signal word

Warning

**Symbols**

Exclamation mark | Health Hazard |

**Pictograms****Hazard Statements**

Causes serious eye irritation.  
 Causes skin irritation.  
 May cause an allergic skin reaction.  
 Suspected of causing cancer.

**Precautionary Statements****Prevention:**

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 Wear protective gloves and eye/face protection.  
 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.  
 Take off contaminated clothing and wash it before reuse.  
 IF exposed or concerned: Get medical advice/attention.

**Disposal:**

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

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

| Ingredient                                      | C.A.S. No. | % by Wt                |
|---|------------|------------------------|
| 2-HYDROXYETHYL METHACRYLATE                     | 868-77-9   | 25 - 50 Trade Secret * |
| COPOLYMER OF ACRYLIC ACID-MALEIC ACID           | 29132-58-9 | 30 - 50 Trade Secret * |
| WATER   | 7732-18-5  | 20 - 30 Trade Secret * |
| MONO- AND DI- HEMA PHOSPHATE,<br>MAGNESIUM SALT | None       | 5 - 15 Trade Secret *  |
| DIURETHANE DIMETHACRYLATE                       | 72869-86-4 | 3 - 10 Trade Secret *  |
| Phenol, 2-(1,1-dimethylethyl)-4-methoxy-        | 121-00-6   | < 0.3 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:**

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

Use a fire fighting agent suitable for the surrounding fire.

#### 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

Evacuate area. 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

Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Use personal protective equipment (gloves, respirators, etc.) as required.

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

Store away from heat.

## 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

#### Appearance

Physical state

Liquid

Color

Transparent Yellow

#### Specific Physical Form:

Liquid

Odor

Slight Acrylate

Odor threshold

*No Data Available*

pH

*No Data Available*

Melting point

*No Data Available*

Boiling Point

*No Data Available*

|   |                               |
|---|-------------------------------|
| Flash Point                                 | No flash point                |
| Evaporation rate                            | <i>No Data Available</i>      |
| Flammability (solid, gas)                   | Not Applicable                |
| Flammable Limits(LEL)                       | <i>Not Applicable</i>         |
| Flammable Limits(UEL)                       | <i>Not Applicable</i>         |
| Vapor Pressure                              | <i>No Data Available</i>      |
| Vapor Density                               | <i>No Data Available</i>      |
| Specific Gravity                            | $\geq 1.0$ [Ref Std: WATER=1] |
| Solubility in Water                         | Complete                      |
| Solubility- non-water                       | <i>No Data Available</i>      |
| Partition coefficient: n-octanol/ water     | <i>No Data Available</i>      |
| Autoignition temperature                    | <i>No Data Available</i>      |
| Decomposition temperature                   | <i>No Data Available</i>      |
| Viscosity                                   | <i>Not Applicable</i>         |
| Molecular weight                            | <i>Not Applicable</i>         |
| Volatile Organic Compounds                  | <i>No Data Available</i>      |
| Percent volatile                            | <i>No Data Available</i>      |
| VOC Less H <sub>2</sub> O & Exempt Solvents | <i>No Data Available</i>      |

## 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

None known.

### 10.6. Hazardous decomposition products

#### Substance

None known.

#### Condition

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:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

#### Skin Contact:

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

#### 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.

#### Additional Health Effects:

#### Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

#### Toxicological Data

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

#### Acute Toxicity

| Name                                  | Route     | Species                | Value  |
|---------------------------------------|-----------|------------------------|--|
| Overall product                       | Ingestion |                        | No data available; calculated ATE >5,000 mg/kg |
| COPOLYMER OF ACRYLIC ACID-MALEIC ACID | Ingestion | Rat                    | LD50 > 2,000 mg/kg                             |
| COPOLYMER OF ACRYLIC ACID-MALEIC ACID | Dermal    | similar health hazards | LD50 Not available                             |
| 2-HYDROXYETHYL METHACRYLATE           | Dermal    | Rabbit                 | LD50 > 5,000 mg/kg                             |
| 2-HYDROXYETHYL METHACRYLATE           | Ingestion | Rat                    | LD50 5,564 mg/kg                               |
| DIURETHANE DIMETHACRYLATE             | Dermal    | Professional judgement | LD50 estimated to be > 5,000 mg/kg             |
| DIURETHANE DIMETHACRYLATE             | Ingestion | Rat                    | LD50 > 5,000 mg/kg                             |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name                        | Species | Value              |
|-----------------------------|---------|--------------------|
| 2-HYDROXYETHYL METHACRYLATE | Rabbit  | Minimal irritation |

#### Serious Eye Damage/Irritation

| Name                        | Species | Value             |
|-----------------------------|---------|-------------------|
| 2-HYDROXYETHYL METHACRYLATE | Rabbit  | Moderate irritant |

**Skin Sensitization**

| Name                        | Species          | Value       |
|-----------------------------|------------------|-------------|
| 2-HYDROXYETHYL METHACRYLATE | Human and animal | Sensitizing |
| DIURETHANE DIMETHACRYLATE   | Guinea pig       | Sensitizing |

**Respiratory Sensitization**

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

**Germ Cell Mutagenicity**

| Name                        | Route    | Value  |
|-----------------------------|----------|--|
| 2-HYDROXYETHYL METHACRYLATE | In vivo  | Not mutagenic  |
| 2-HYDROXYETHYL METHACRYLATE | In Vitro | Some positive data exist, but the data are not sufficient for classification |

**Carcinogenicity**

| Name                                     | Route     | Species                 | Value        |
|--|-----------|-------------------------|--------------|
| Phenol, 2-(1,1-dimethylethyl)-4-methoxy- | Ingestion | Multiple animal species | Carcinogenic |

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

| Name                        | Route     | Value                                  | Species | Test Result           | Exposure Duration              |
|-----------------------------|-----------|--|---------|-----------------------|--------------------------------|
| 2-HYDROXYETHYL METHACRYLATE | Ingestion | Not classified for female reproduction | Rat     | NOAEL 1,000 mg/kg/day | prematuring & during gestation |
| 2-HYDROXYETHYL METHACRYLATE | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 1,000 mg/kg/day | 49 days                        |
| 2-HYDROXYETHYL METHACRYLATE | Ingestion | Not classified for development         | Rat     | NOAEL 1,000 mg/kg/day | prematuring & during gestation |

**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**

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

**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.

**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.

#### EPCRA 311/312 Hazard Classifications:

##### Physical Hazards

Not applicable

##### Health Hazards

Carcinogenicity

Serious eye damage or eye irritation

Skin Corrosion or Irritation

### 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.

|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
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