



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

## Safety Data Sheet

2020-10-20 13:04:55.92

Purchase Order #: 820311  
Customer Number: 0096029960

MSDS COORDINATOR  
DENTAL HEALTH PRODUCTS INC  
2614 N SUGAR BUSH RD  
NEW FRANKEN, WI 54229-9346  
USA

Dear MSDS 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.





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|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Document Group:</b> | 16-2692-8 | <b>Version Number:</b>  | 4.05     |
| <b>Issue Date:</b>     | 04/15/15  | <b>Supersedes Date:</b> | 04/03/14 |

### Product identifier

3M™ ESPE™ KETAC-MOLAR APLICAP

### ID Number(s):

70-2011-0388-7, 70-2011-0390-3, 70-2011-0391-1, 70-2011-1075-9, 70-2011-4134-1, 70-2011-4135-8, 70-2011-4257-0, 70-2011-4258-8, 70-2011-4259-6, 70-2011-4260-4, 70-2011-4261-2, 70-2011-4266-1, 70-2011-4267-9

### Recommended use

Dental Product, Dental restorative

### Restrictions on use

For use only by dental professionals

### Supplier's details

|                      |                                         |
|----------------------|-----------------------------------------|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | 3M ESPE Dental Products                 |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA |
| <b>Telephone:</b>    | 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:**

16-2691-0, 16-2690-2

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**Document Group:** 16-2690-2  
**Issue Date:** 02/25/16

**Version Number:** 10.00  
**Supersedes Date:** 11/13/15

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ ESPE™ KETAC MOLAR APLICAP POWDER

#### Product Identification Numbers

LE-FSFD-5645-1

#### 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

**MANUFACTURER:** 3M  
**DIVISION:** Oral Care Solutions Division  
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000, USA  
**Telephone:** 1-888-3M HELPS (1-888-364-3577)

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazard identification

This 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.

**2.3. Hazards not otherwise classified**

None.

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

| <b>Ingredient</b>                         | <b>C.A.S. No.</b> | <b>% by Wt</b> |
|-------------------------------------------|-------------------|----------------|
| NUC - OXIDE GLASS CHEMICALS (non-fibrous) | 65997-17-3        | 85 - 95        |
| COPOLYMER OF ACRYLIC ACID-MALEIC ACID     | 29132-58-9        | 1 - 6          |

**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**

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**

Irritant Vapors or Gases

**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. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

**6.2. Environmental precautions**

Avoid release to the environment.

**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.

**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**

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

| Ingredient                                   | C.A.S. No. | Agency                     | Limit type            | Additional Comments |
|----------------------------------------------|------------|----------------------------|-----------------------|---------------------|
| NUC - OXIDE GLASS<br>CHEMICALS (non-fibrous) | 65997-17-3 | Manufacturer<br>determined | TWA(as dust):10 mg/m3 |                     |

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**

|                                                |                          |
|------------------------------------------------|--------------------------|
| <b>General Physical Form:</b>                  | Solid                    |
| <b>Specific Physical Form:</b>                 | Powder                   |
| <b>Odor, Color, Grade:</b>                     | Odorless, various shades |
| <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>Density</b>                                 | <i>No Data Available</i> |
| <b>Specific Gravity</b>                        | <i>Not Applicable</i>    |
| <b>Solubility in Water</b>                     | Moderate                 |
| <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>Not Applicable</i>    |
| <b>Decomposition temperature</b>               | <i>No Data Available</i> |
| <b>Viscosity</b>                               | <i>Not Applicable</i>    |
| <b>Molecular weight</b>                        | <i>No Data Available</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**SubstanceCondition

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:

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 |
| NUC - OXIDE GLASS CHEMICALS (non-fibrous) | Dermal    |                       | LD50 estimated to be > 5,000 mg/kg                    |
| NUC - OXIDE GLASS CHEMICALS (non-fibrous) | Ingestion |                       | LD50 estimated to be 2,000 - 5,000 mg/kg              |
| COPOLYMER OF ACRYLIC ACID-MALEIC ACID     | Dermal    | Professional judgment | LD50 estimated to be > 5,000 mg/kg                    |
| COPOLYMER OF ACRYLIC ACID-MALEIC ACID     | Ingestion | Rat                   | LD50 > 5,000 mg/kg                                    |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name | Species | Value |
|------|---------|-------|
|------|---------|-------|

|                                           |                        |                           |
|-------------------------------------------|------------------------|---------------------------|
| NUC - OXIDE GLASS CHEMICALS (non-fibrous) | Professional judgement | No significant irritation |
|-------------------------------------------|------------------------|---------------------------|

**Serious Eye Damage/Irritation**

| Name                                      | Species                | Value                     |
|-------------------------------------------|------------------------|---------------------------|
| NUC - OXIDE GLASS CHEMICALS (non-fibrous) | Professional judgement | No significant irritation |

**Skin Sensitization**

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

**Respiratory Sensitization**

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

**Germ Cell Mutagenicity**

For the component/components, either no data are currently available or 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**

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

**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 waste product 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.

#### 311/312 Hazard Categories:

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

### 15.2. State Regulations

Contact 3M for more information.

### 15.3. Chemical Inventories

The components of this product are in compliance with the new substance notification requirements of CEPA.

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.

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|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Document Group:</b> | 16-2691-0 | <b>Version Number:</b>  | 7.00     |
| <b>Issue Date:</b>     | 02/25/16  | <b>Supersedes Date:</b> | 10/21/14 |

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ ESPE™ KETAC MOLAR APLICAP LIQUID

#### Product Identification Numbers

LE-FSFD-5644-1

#### 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

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.

**2.3. Hazards not otherwise classified**

None.

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

| <b>Ingredient</b>                     | <b>C.A.S. No.</b> | <b>% by Wt</b>         |
|---------------------------------------|-------------------|------------------------|
| COPOLYMER OF ACRYLIC ACID-MALEIC ACID | 29132-58-9        | 35 - 55 Trade Secret * |
| WATER                                 | 7732-18-5         | 40 - 55 Trade Secret * |
| TARTARIC ACID                         | 87-69-4           | 5 - 10 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**

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**

Irritant Vapors or Gases

**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

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. Clean up residue with water. 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 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

|                                                |                                 |
|------------------------------------------------|---------------------------------|
| <b>General Physical Form:</b>                  | Liquid                          |
| <b>Specific Physical Form:</b>                 | Liquid                          |
| <b>Odor, Color, Grade:</b>                     | Slightly acidic odor, colorless |
| <b>Odor threshold</b>                          | <i>No Data Available</i>        |
| <b>pH</b>                                      | <i>No Data Available</i>        |
| <b>Melting point</b>                           | <i>Not Applicable</i>           |
| <b>Boiling Point</b>                           | 212 °F                          |
| <b>Flash Point</b>                             | No flash point                  |
| <b>Evaporation rate</b>                        | <i>No Data Available</i>        |
| <b>Flammability (solid, gas)</b>               | Not Applicable                  |
| <b>Flammable Limits(LEL)</b>                   | <i>Not Applicable</i>           |
| <b>Flammable Limits(UEL)</b>                   | <i>Not Applicable</i>           |
| <b>Vapor Pressure</b>                          | <i>No Data Available</i>        |
| <b>Vapor Density</b>                           | <i>No Data Available</i>        |
| <b>Density</b>                                 | <i>No Data Available</i>        |
| <b>Specific Gravity</b>                        | >=1 [Ref Std: WATER=1]          |
| <b>Solubility in Water</b>                     | Complete                        |
| <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>                               | <=10,000 centipoise             |
| <b>Molecular weight</b>                        | <i>No Data Available</i>        |
| <b>Volatile Organic Compounds</b>              | <i>No Data Available</i>        |
| <b>Percent volatile</b>                        | <i>No Data Available</i>        |
| <b>VOC Less H2O &amp; Exempt Solvents</b>      | <i>No Data Available</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:

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

##### Eye Contact:

Contact with the eyes during product use is not expected to result in significant irritation.

##### Ingestion:

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

##### Toxicological Data

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

##### Acute Toxicity

| Name                                  | Route     | Species               | Value                                           |
|---------------------------------------|-----------|-----------------------|-------------------------------------------------|
| Overall product                       | Ingestion |                       | No data available; calculated ATE > 5,000 mg/kg |
| COPOLYMER OF ACRYLIC ACID-MALEIC ACID | Dermal    | Professional judgment | LD50 estimated to be > 5,000 mg/kg              |
| COPOLYMER OF ACRYLIC ACID-MALEIC ACID | Ingestion | Rat                   | LD50 > 5,000 mg/kg                              |
| TARTARIC ACID                         | Dermal    |                       | LD50 estimated to be 2,000 - 5,000 mg/kg        |
| TARTARIC ACID                         | Ingestion | Mouse                 | LD50 4,360 mg/kg                                |

ATE = acute toxicity estimate

##### Skin Corrosion/Irritation

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

##### Serious Eye Damage/Irritation

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

##### Skin Sensitization

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

##### Respiratory Sensitization

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

**Germ Cell Mutagenicity**

For the component/components, either no data are currently available or 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**

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

**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 waste product 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.

### 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

The components of this product are in compliance with the new substance notification requirements of CEPA.

The components of this material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information.

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.

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