

# **Safety Data Sheet**

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|-----------------|-----------|------------------|----------|
| Issue Date:     | 04/15/15  | Supercedes Date: | 05/20/14 |

#### **Product identifier** 3M<sup>TM</sup> ESPE<sup>TM</sup> IMPRINT<sup>TM</sup> 4 HEAVY REFILL

**ID** Number(s):

70-2011-4147-3

### 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:

### 31-4841-8, 31-4838-4

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# Safety Data Sheet

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|-----------------|-----------|------------------|----------|
| Issue Date:     | 02/25/16  | Supercedes Date: | 10/09/14 |

### **SECTION 1: Identification**

**1.1. Product identifier** 3M<sup>TM</sup> ESPE<sup>TM</sup> IMPRINT<sup>TM</sup> 4 HEAVY CATALYST

**Product Identification Numbers** LE-F100-1307-3

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

Recommended use Dental Product, Impression Material Restrictions on use For us only by dental professionals

| 1.3. Supplier's details |   |
|-------------------------|---|
| <b>MANUFACTURER:</b>    | 3M                                      |
| <b>DIVISION:</b>        | 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**

| Ingredient                 | C.A.S. No. | % by Wt                |
|----------------------------|------------|------------------------|
| CRISTOBALITE               | 14464-46-1 | 30 - 40 Trade Secret * |
| VINYL-POLYDIMETHYLSILOXANE | 68083-19-2 | 30 - 40 Trade Secret * |
| FUSED SILICA               | 60676-86-0 | 10 - 20 Trade Secret * |
| POLY(DIMETHYLSILOXANE)     | 63148-62-9 | 1 - 10 Trade Secret *  |
| SILANE TREATED SILICA      | 67762-90-7 | 1 - 10 Trade Secret *  |
| TRIDYMITE                  | 15468-32-3 | 1 - 10 Trade Secret *  |
| QUARTZ SILICA              | 14808-60-7 | < 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

See Section 11.1. Information on toxicological effects.

### **4.3. Indication of any immediate medical attention and special treatment required** Not applicable

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

### 5.1. Suitable extinguishing media

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

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

None inherent in this product.

# Hazardous Decomposition or By-Products

<u>Substance</u>

### **Condition**

Carbon monoxide Carbon dioxide Irritant Vapors or Gases 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. 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. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. 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 eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

#### 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. Store away from amines.

### **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 |
|---------------|------------|--------|--------------------------------|---------------------|
| CRISTOBALITE  | 14464-46-1 | ACGIH  | TWA(respirable                 | A2: Suspected human |
|               |            |        | fraction):0.025 mg/m3          | carcin.             |
| CRISTOBALITE  | 14464-46-1 | OSHA   | TWA concentration(as total     |                     |
|               |            |        | dust):0.15 mg/m3;TWA           |                     |
|               |            |        | concentration(respirable):0.05 |                     |
|               |            |        | mg/m3(1.2 millions of          |                     |
|               |            |        | particles/cu. ft.)             |                     |
| QUARTZ SILICA | 14808-60-7 | ACGIH  | TWA(respirable                 | A2: Suspected human |
|               |            |        | fraction):0.025 mg/m3          | carcin.             |
| QUARTZ SILICA | 14808-60-7 | OSHA   | TWA concentration(as total     |                     |
|               |            |        | dust):0.3 mg/m3;TWA            |                     |
|               |            |        | concentration(respirable):0.1  |                     |
|               |            |        | mg/m3(2.4 millions of          |                     |
|               |            |        | particles/cu. ft.)             |                     |
| TRIDYMITE     | 15468-32-3 | OSHA   | TWA concentration(as total     |                     |
|               |            |        | dust):0.15 mg/m3;TWA           |                     |

|                       |            |      | concentration(respirable):0.05<br>mg/m3(1.2 millions of<br>particles/cu. ft.) |  |
|-----------------------|------------|------|---|--|
| SILICA, AMORPHOUS     | 60676-86-0 | OSHA | TWA concentration:0.8<br>mg/m3;TWA:20 millions of<br>particles/cu. ft.        |  |
| SILANE TREATED SILICA | 67762-90-7 | CMRG | CEIL:5 mg/m3  |  |
| SILICA, AMORPHOUS     | 67762-90-7 | OSHA | TWA concentration:0.8<br>mg/m3;TWA:20 millions of<br>particles/cu. ft.        |  |

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**

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:       | slight characteristic odor, blue colored paste |
| Odor threshold            | No Data Available                              |
| рН                        | No Data Available                              |
| Melting point             | Not Applicable                                 |
| Boiling Point             | Not Applicable                                 |
| Flash Point               | Flash point $> 93$ °C (200 °F)                 |
| Evaporation rate          | No Data Available                              |
| Flammability (solid, gas) | Not Classified                                 |
| Flammable Limits(LEL)     | Not Applicable                                 |
| Flammable Limits(UEL)     | Not Applicable                                 |
| Vapor Pressure            | No Data Available                              |
| Vapor Density             | No Data Available                              |
| Density                   | 1.4 g/cm3 - 1.6 g/cm3                          |
|                           |  |

Specific Gravity Solubility in Water Solubility- non-water Partition coefficient: n-octanol/ water Autoignition temperature Decomposition temperature Viscosity Volatile Organic Compounds Percent volatile VOC Less H2O & Exempt Solvents 1.4 - 1.6 [*Ref Std:* WATER=1] Negligible *No Data Available Not Applicable No Data Available No Data Available No Data Available Not Applicable Not Applicable Not Applicable 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** Amines Strong acids Strong bases Strong oxidizing agents

### 10.6. Hazardous decomposition products

<u>Substance</u> None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

# **SECTION 11: Toxicological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

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** 

### **Condition**

### Signs and Symptoms of Exposure

### Based on test data and/or information on the components, this material may produce the following health effects:

#### Inhalation:

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

#### **Skin Contact:**

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

#### **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.

### **Additional Health Effects:**

### Carcinogenicity:

Exposures needed to cause the following health effect(s) are not expected during normal, intended use: Contains a chemical or chemicals which can cause cancer.

| Ingredient           | CAS No.    | Class Description              | Regulation                                  |
|----------------------|------------|--------------------------------|---|
| SILICA, CRYS AIRRESP | 14464-46-1 | Known human carcinogen         | National Toxicology Program Carcinogens     |
| SILICA, CRYS AIRRESP | 14808-60-7 | Known human carcinogen         | National Toxicology Program Carcinogens     |
| SILICA, CRYS AIRRESP | 15468-32-3 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| SILICA, CRYS AIRRESP | 15468-32-3 | Known human carcinogen         | National Toxicology Program Carcinogens     |
| CRISTOBALITE         | 14464-46-1 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| QUARTZ SILICA        | 14808-60-7 | Grp. 1: Carcinogenic to humans | International Agency for Research on 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 |
| VINYL-POLYDIMETHYLSILOXANE | Dermal      | Rabbit  | LD50 > 15,440 mg/kg                             |
| VINYL-POLYDIMETHYLSILOXANE | Ingestion   | Rat     | LD50 > 15,440 mg/kg                             |
| CRISTOBALITE               | Dermal      |         | LD50 estimated to be $> 5,000 \text{ mg/kg}$    |
| CRISTOBALITE               | Ingestion   |         | LD50 estimated to be > 5,000 mg/kg              |
| FUSED SILICA               | Dermal      | Rabbit  | LD50 > 5,000 mg/kg                              |
| FUSED SILICA               | Inhalation- | Rat     | LC50 > 0.691 mg/l                               |
|                            | Dust/Mist   |         |   |
|                            | (4 hours)   |         |   |
| FUSED SILICA               | Ingestion   | Rat     | LD50 > 5,110 mg/kg                              |
| SILANE TREATED SILICA      | Dermal      | Rabbit  | LD50 > 5,000 mg/kg                              |
| SILANE TREATED SILICA      | Inhalation- | Rat     | LC50 > 0.691 mg/l                               |
|                            | Dust/Mist   |         |   |
|                            | (4 hours)   |         |   |
| SILANE TREATED SILICA      | Ingestion   | Rat     | LD50 > 5,110 mg/kg                              |
| POLY(DIMETHYLSILOXANE)     | Dermal      | Rabbit  | LD50 > 19,400 mg/kg                             |
| POLY(DIMETHYLSILOXANE)     | Ingestion   | Rat     | LD50 > 17,000 mg/kg                             |
| TRIDYMITE                  | Dermal      |         | LD50 estimated to be $> 5,000 \text{ mg/kg}$    |
| TRIDYMITE                  | Ingestion   |         | LD50 estimated to be > 5,000 mg/kg              |
| QUARTZ SILICA              | Dermal      |         | LD50 estimated to be > 5,000 mg/kg              |
| QUARTZ SILICA              | Ingestion   |         | LD50 estimated to be > 5,000 mg/kg              |

ATE = acute toxicity estimate

### **Skin Corrosion/Irritation**

| Name                       | Species        | Value                     |
|----------------------------|----------------|---------------------------|
| VINYL-POLYDIMETHYLSILOXANE | Rabbit         | No significant irritation |
| CRISTOBALITE               | Professio      | No significant irritation |
|                            | nal<br>judgeme |                           |
|                            | nt             |                           |
| FUSED SILICA               | Rabbit         | No significant irritation |
| SILANE TREATED SILICA      | Rabbit         | No significant irritation |
| POLY(DIMETHYLSILOXANE)     | Rabbit         | No significant irritation |
| TRIDYMITE                  | Professio      | No significant irritation |
|                            | nal            |                           |
|                            | judgeme        |                           |
|                            | nt             |                           |
| QUARTZ SILICA              | Professio      | No significant irritation |
|                            | nal            | -                         |
|                            | judgeme        |                           |
|                            | nt             |                           |

### Serious Eye Damage/Irritation

| Name                       | Species | Value                     |
|----------------------------|---------|---------------------------|
| VINYL-POLYDIMETHYLSILOXANE | Rabbit  | Mild irritant             |
| FUSED SILICA               | Rabbit  | No significant irritation |
| SILANE TREATED SILICA      | Rabbit  | No significant irritation |
| POLY(DIMETHYLSILOXANE)     | Rabbit  | No significant irritation |

### **Skin Sensitization**

| Name                  | Species | Value           |
|-----------------------|---------|-----------------|
| FUSED SILICA          | Human   | Not sensitizing |
|                       | and     |                 |
|                       | animal  |                 |
| SILANE TREATED SILICA | 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

| Name                  | Route    | Value  |
|-----------------------|----------|--|
| CRISTOBALITE          | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| CRISTOBALITE          | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| FUSED SILICA          | In Vitro | Not mutagenic  |
| SILANE TREATED SILICA | In Vitro | Not mutagenic  |
| TRIDYMITE             | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| TRIDYMITE             | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| QUARTZ SILICA         | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| QUARTZ SILICA         | In vivo  | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

| Name         | Route      | Species | Value        |
|--------------|------------|---------|--------------|
| CRISTOBALITE | Inhalation | Human   | Carcinogenic |
|              |            | and     |              |

|                       |            | animal |  |
|-----------------------|------------|--------|--|
| FUSED SILICA          | Not        | Mouse  | Some positive data exist, but the data are not |
|                       | Specified  |        | sufficient for classification                  |
| SILANE TREATED SILICA | Not        | Mouse  | Some positive data exist, but the data are not |
|                       | Specified  |        | sufficient for classification                  |
| TRIDYMITE             | Inhalation | Human  | Carcinogenic                                   |
|                       |            | and    |  |
|                       |            | animal |  |
| QUARTZ SILICA         | Inhalation | Human  | Carcinogenic                                   |
|                       |            | and    | -  |
|                       |            | animal |  |

### **Reproductive Toxicity**

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

| Name                  | Route      | Value                            | Species | Test Result              | Exposure<br>Duration        |
|-----------------------|------------|----------------------------------|---------|--------------------------|-----------------------------|
| FUSED SILICA          | Ingestion  | Not toxic to female reproduction | Rat     | NOAEL 509<br>mg/kg/day   | 1 generation                |
| FUSED SILICA          | Inhalation | Not toxic to male reproduction   | Rat     | NOAEL 497<br>mg/kg/day   | 1 generation                |
| FUSED SILICA          | Ingestion  | Not toxic to development         | Rat     | NOAEL 1,350<br>mg/kg/day | during<br>organogenesi<br>s |
| SILANE TREATED SILICA | Ingestion  | Not toxic to female reproduction | Rat     | NOAEL 509<br>mg/kg/day   | 1 generation                |
| SILANE TREATED SILICA | Ingestion  | Not toxic to male reproduction   | Rat     | NOAEL 497<br>mg/kg/day   | 1 generation                |
| SILANE TREATED SILICA | Ingestion  | Not toxic to development         | Rat     | NOAEL 1,350<br>mg/kg/day | during<br>organogenesi<br>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<br>Duration     |
|--------------------------|------------|-----------------------------------|--|---------|------------------------|--------------------------|
| CRISTOBALITE             | Inhalation | silicosis                         | Causes damage to organs through prolonged or repeated exposure | Human   | NOAEL Not<br>available | occupational exposure    |
| FUSED SILICA             | Inhalation | respiratory system  <br>silicosis | All data are negative  | Human   | NOAEL Not<br>available | occupational<br>exposure |
| SILANE TREATED<br>SILICA | Inhalation | respiratory system   silicosis    | All data are negative  | Human   | NOAEL Not<br>available | occupational exposure    |
| TRIDYMITE                | Inhalation | silicosis                         | Causes damage to organs through prolonged or repeated exposure | Human   | NOAEL Not<br>available | occupational exposure    |
| QUARTZ SILICA            | Inhalation | silicosis                         | Causes damage to organs through prolonged or repeated exposure | Human   | NOAEL Not<br>available | occupational<br>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.

Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. If no other disposal options are available, waste product 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 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.

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

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

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|-----------------|-----------|------------------|----------|
| Issue Date:     | 02/25/16  | Supercedes Date: | 10/09/14 |

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|-----------------|-----------|------------------|----------|
| Issue Date:     | 02/25/16  | Supercedes Date: | 12/16/14 |

### **SECTION 1: Identification**

**1.1. Product identifier** 3M<sup>TM</sup> ESPE<sup>TM</sup> IMPRINT<sup>TM</sup> 4 HEAVY BASE

**Product Identification Numbers** LE-F100-1307-2

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

Recommended use Dental Product, Impression Material Restrictions on use For us only by dental professionals.

| 1.3. Supplier's details |   |
|-------------------------|---|
| <b>MANUFACTURER:</b>    | 3M                                      |
| <b>DIVISION:</b>        | 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** Skin Sensitizer: Category 1.

2.2. Label elements Signal word Warning

Symbols Exclamation mark |

## Pictograms



Hazard Statements May cause an allergic skin reaction.

#### **Precautionary Statements**

### **Prevention:**

Wear protective gloves. Contaminated work clothing must not be allowed out of the workplace.

### **Response:**

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                |
|-----------------------------------|------------|------------------------|
| CRISTOBALITE                      | 14464-46-1 | 35 - 45 Trade Secret * |
| VINYL-POLYDIMETHYL SILOXANE       | 68083-19-2 | 20 - 30 Trade Secret * |
| DIMETHYL METHYL HYDROGEN SILICONE | 68037-59-2 | 1 - 10 Trade Secret *  |
| FLUID                             |            |                        |
| FUSED SILICA                      | 60676-86-0 | 1 - 10 Trade Secret *  |
| SILANE TREATED SILICA             | 67762-90-7 | 1 - 10 Trade Secret *  |
| ALLYLTRIMETHYLSILANE              | 762-72-1   | < 5 Trade Secret *     |
| POLY(DIMETHYLSILOXANE)            | 63148-62-9 | < 5 Trade Secret *     |
| POLYETHYLENE GLYCOL, SILOXANE     | 27306-78-1 | < 5.0 Trade Secret *   |
| TERMINATED                        |            |                        |
| TRIDYMITE                         | 15468-32-3 | < 5 Trade Secret *     |
| QUARTZ SILICA                     | 14808-60-7 | < 1 Trade Secret *     |
| CORNMINT OIL                      | 68917-18-0 | < 0.5 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.

### **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

| <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

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

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.) Do not get in eyes. 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. Store away from amines.

### **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> |
|-----------------------|------------|--------|--------------------------------|----------------------------|
| CRISTOBALITE          | 14464-46-1 | ACGIH  | TWA(respirable                 | A2: Suspected human        |
|                       |            |        | fraction):0.025 mg/m3          | carcin.                    |
| CRISTOBALITE          | 14464-46-1 | OSHA   | TWA concentration(as total     |                            |
|                       |            |        | dust):0.15 mg/m3;TWA           |                            |
|                       |            |        | concentration(respirable):0.05 |                            |
|                       |            |        | mg/m3(1.2 millions of          |                            |
|                       |            |        | particles/cu. ft.)             |                            |
| QUARTZ SILICA         | 14808-60-7 | ACGIH  | TWA(respirable                 | A2: Suspected human        |
|                       |            |        | fraction):0.025 mg/m3          | carcin.                    |
| QUARTZ SILICA         | 14808-60-7 | OSHA   | TWA concentration(as total     |                            |
|                       |            |        | dust):0.3 mg/m3;TWA            |                            |
|                       |            |        | concentration(respirable):0.1  |                            |
|                       |            |        | mg/m3(2.4 millions of          |                            |
|                       |            |        | particles/cu. ft.)             |                            |
| TRIDYMITE             | 15468-32-3 | OSHA   | TWA concentration(as total     |                            |
|                       |            |        | dust):0.15 mg/m3;TWA           |                            |
|                       |            |        | concentration(respirable):0.05 |                            |
|                       |            |        | mg/m3(1.2 millions of          |                            |
|                       |            |        | particles/cu. ft.)             |                            |
| SILICA, AMORPHOUS     | 60676-86-0 | OSHA   | TWA concentration:0.8          |                            |
|                       |            |        | mg/m3;TWA:20 millions of       |                            |
|                       |            |        | particles/cu. ft.              |                            |
| SILANE TREATED SILICA | 67762-90-7 | CMRG   | CEIL:5 mg/m3                   |                            |
| SILICA, AMORPHOUS     | 67762-90-7 | OSHA   | TWA concentration:0.8          |                            |
|                       |            |        | mg/m3;TWA:20 millions of       |                            |
|                       |            |        | particles/cu. ft.              |                            |

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:                  | Solid                                |
|---|--------------------------------------|
| Specific Physical Form:                 | Paste                                |
| Odor, Color, Grade:                     | smell of mint, white colored paste   |
| Odor threshold                          | No Data Available                    |
| рН                                      | No Data Available                    |
| Melting point                           | Not Applicable                       |
| Boiling Point                           | Not Applicable                       |
| Flash Point                             | No flash point                       |
| Evaporation rate                        | No Data Available                    |
| Flammability (solid, gas)               | Not Classified                       |
| Flammable Limits(LEL)                   | Not Applicable                       |
| Flammable Limits(UEL)                   | Not Applicable                       |
| Vapor Pressure                          | No Data Available                    |
| Vapor Density                           | No Data Available                    |
| Density                                 | 1.3 g/cm3 - 1.5 g/cm3                |
| Specific Gravity                        | 1.3 - 1.5 [ <i>Ref Std:</i> WATER=1] |
| Solubility in Water                     | Negligible                           |
| Solubility- non-water                   | No Data Available                    |
| Partition coefficient: n-octanol/ water | Not Applicable                       |
| Autoignition temperature                | No Data Available                    |
| Decomposition temperature               | No Data Available                    |
| Viscosity                               | No Data Available                    |
| 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 Amines

### 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:

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

#### **Skin Contact:**

Contact with the skin during product use is not expected to result in significant irritation. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

#### **Eye Contact:**

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.

### **Additional Health Effects:**

#### **Carcinogenicity:**

Exposures needed to cause the following health effect(s) are not expected during normal, intended use: Contains a chemical or chemicals which can cause cancer.

| Ingredient           | CAS No.    | Class Description              | Regulation                                  |
|----------------------|------------|--------------------------------|---|
| SILICA, CRYS AIRRESP | 14464-46-1 | Known human carcinogen         | National Toxicology Program Carcinogens     |
| SILICA, CRYS AIRRESP | 14808-60-7 | Known human carcinogen         | National Toxicology Program Carcinogens     |
| SILICA, CRYS AIRRESP | 15468-32-3 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| SILICA, CRYS AIRRESP | 15468-32-3 | Known human carcinogen         | National Toxicology Program Carcinogens     |
| CRISTOBALITE         | 14464-46-1 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| QUARTZ SILICA        | 14808-60-7 | Grp. 1: Carcinogenic to humans | International Agency for Research on 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                          | Dermal                                |                                   | No data available; calculated ATE > 5,000 mg/kg |
| Overall product                          | Ingestion                             |                                   | No data available; calculated ATE > 5,000 mg/kg |
| CRISTOBALITE                             | Dermal                                |                                   | LD50 estimated to be > 5,000 mg/kg              |
| CRISTOBALITE                             | Ingestion                             |                                   | LD50 estimated to be > 5,000 mg/kg              |
| VINYL-POLYDIMETHYL SILOXANE              | Dermal                                | Rabbit                            | LD50 > 15,440 mg/kg                             |
| VINYL-POLYDIMETHYL SILOXANE              | Ingestion                             | Rat                               | LD50 > 15,440 mg/kg                             |
| DIMETHYL METHYL HYDROGEN SILICONE FLUID  | Dermal                                | Rabbit                            | LD50 > 2,000 mg/kg                              |
| DIMETHYL METHYL HYDROGEN SILICONE FLUID  | Ingestion                             | Rat                               | LD50 > 2,000 mg/kg                              |
| SILANE TREATED SILICA                    | Dermal                                | Rabbit                            | LD50 > 5,000 mg/kg                              |
| SILANE TREATED SILICA                    | Inhalation-<br>Dust/Mist<br>(4 hours) | Rat                               | LC50 > 0.691 mg/l                               |
| SILANE TREATED SILICA                    | Ingestion                             | Rat                               | LD50 > 5,110 mg/kg                              |
| FUSED SILICA                             | Dermal                                | Rabbit                            | LD50 > 5,000  mg/kg                             |
| FUSED SILICA                             | Inhalation-<br>Dust/Mist<br>(4 hours) | Rat                               | LC50 > 0.691 mg/l                               |
| FUSED SILICA                             | Ingestion                             | Rat                               | LD50 > 5,110 mg/kg                              |
| ALLYLTRIMETHYLSILANE                     | Dermal                                | Professio<br>nal<br>judgeme<br>nt | LD50 estimated to be 2,000 - 5,000 mg/kg        |
| ALLYLTRIMETHYLSILANE                     | Ingestion                             | similar<br>compoun<br>ds          | LD50 estimated to be 2,000 - 5,000 mg/kg        |
| POLYETHYLENE GLYCOL, SILOXANE TERMINATED | Dermal                                | Rabbit                            | LD50 > 2,000 mg/kg                              |
| POLYETHYLENE GLYCOL, SILOXANE TERMINATED | Inhalation-<br>Dust/Mist<br>(4 hours) | Rat                               | LC50 2 mg/l                                     |
| POLYETHYLENE GLYCOL, SILOXANE TERMINATED | Ingestion                             | Rat                               | LD50 > 2,000 mg/kg                              |
| POLY(DIMETHYLSILOXANE)                   | Dermal                                | Rabbit                            | LD50 > 19,400 mg/kg                             |
| POLY(DIMETHYLSILOXANE)                   | Ingestion                             | Rat                               | LD50 > 17,000 mg/kg                             |
| TRIDYMITE                                | Dermal                                |                                   | LD50 estimated to be > 5,000 mg/kg              |
| TRIDYMITE                                | Ingestion                             |                                   | LD50 estimated to be > 5,000 mg/kg              |
| QUARTZ SILICA                            | Dermal                                |                                   | LD50 estimated to be > 5,000 mg/kg              |
| QUARTZ SILICA                            | Ingestion                             | 1                                 | LD50 estimated to be > 5,000 mg/kg              |
| CORNMINT OIL                             | Dermal                                | Rabbit                            | LD50 > 5,000 mg/kg                              |
| CORNMINT OIL                             | Ingestion                             | Rat                               | LD50 1,240 mg/kg                                |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name                        | Species   | Value                     |
|-----------------------------|-----------|---------------------------|
|                             |           |                           |
| CRISTOBALITE                | Professio | No significant irritation |
|                             | nal       |                           |
|                             | judgeme   |                           |
|                             | nt        |                           |
| VINYL-POLYDIMETHYL SILOXANE | Rabbit    | No significant irritation |

| SILANE TREATED SILICA                    | Rabbit    | No significant irritation |
|--|-----------|---------------------------|
| FUSED SILICA                             | Rabbit    | No significant irritation |
| POLYETHYLENE GLYCOL, SILOXANE TERMINATED | Rabbit    | No significant irritation |
| POLY(DIMETHYLSILOXANE)                   | Rabbit    | No significant irritation |
| TRIDYMITE                                | Professio | No significant irritation |
|  | nal       |                           |
|  | judgeme   |                           |
|  | nt        |                           |
| QUARTZ SILICA                            | Professio | No significant irritation |
|  | nal       |                           |
|  | judgeme   |                           |
|  | nt        |                           |
| CORNMINT OIL                             | Rabbit    | Mild irritant             |

### Serious Eye Damage/Irritation

| Name                                     | Species  | Value                     |
|--|----------|---------------------------|
|  |          |                           |
| VINYL-POLYDIMETHYL SILOXANE              | Rabbit   | Mild irritant             |
| SILANE TREATED SILICA                    | Rabbit   | No significant irritation |
| FUSED SILICA                             | Rabbit   | No significant irritation |
| POLYETHYLENE GLYCOL, SILOXANE TERMINATED | Rabbit   | Severe irritant           |
| POLY(DIMETHYLSILOXANE)                   | Rabbit   | No significant irritation |
| CORNMINT OIL                             | In vitro | Severe irritant           |
|  | data     |                           |

### **Skin Sensitization**

| Name                                     | Species | Value           |
|--|---------|-----------------|
| SILANE TREATED SILICA                    | Human   | Not sensitizing |
|  | and     |                 |
|  | animal  |                 |
| FUSED SILICA                             | Human   | Not sensitizing |
|  | and     |                 |
|  | animal  |                 |
| POLYETHYLENE GLYCOL, SILOXANE TERMINATED | Guinea  | Not sensitizing |
|  | pig     |                 |
| CORNMINT OIL                             | Guinea  | Sensitizing     |
|  | pig     |                 |

### **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  |  |  |
|--|----------|--|--|--|
|  |          |  |  |  |
| CRISTOBALITE                             | In Vitro | Some positive data exist, but the data are not |  |  |
|  |          | sufficient for classification                  |  |  |
| CRISTOBALITE                             | In vivo  | Some positive data exist, but the data are not |  |  |
|  |          | sufficient for classification                  |  |  |
| SILANE TREATED SILICA                    | In Vitro | Not mutagenic                                  |  |  |
| FUSED SILICA                             | In Vitro | Not mutagenic                                  |  |  |
| POLYETHYLENE GLYCOL, SILOXANE TERMINATED | In Vitro | Not mutagenic                                  |  |  |
| POLYETHYLENE GLYCOL, SILOXANE TERMINATED | In vivo  | Not mutagenic                                  |  |  |
| TRIDYMITE                                | In Vitro | Some positive data exist, but the data are not |  |  |
|  |          | sufficient for classification                  |  |  |
| TRIDYMITE                                | In vivo  | Some positive data exist, but the data are not |  |  |
|  |          | sufficient for classification                  |  |  |
| QUARTZ SILICA                            | In Vitro | Some positive data exist, but the data are not |  |  |
|  |          | sufficient for classification                  |  |  |
| QUARTZ SILICA                            | In vivo  | Some positive data exist, but the data are not |  |  |
|  |          | sufficient for classification                  |  |  |

# Carcinogenicity

| Name         | Route      | Species | Value        |
|--------------|------------|---------|--------------|
| CRISTOBALITE | Inhalation | Human   | Carcinogenic |

|                       |                  | and<br>animal          |  |
|-----------------------|------------------|------------------------|--|
| SILANE TREATED SILICA | Not<br>Specified | Mouse                  | Some positive data exist, but the data are not sufficient for classification |
| FUSED SILICA          | Not<br>Specified | Mouse                  | Some positive data exist, but the data are not sufficient for classification |
| TRIDYMITE             | Inhalation       | Human<br>and<br>animal | Carcinogenic   |
| QUARTZ SILICA         | Inhalation       | Human<br>and<br>animal | Carcinogenic   |

### **Reproductive Toxicity**

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

| Name  | Route      | Value  | Species | Test Result              | Exposure<br>Duration               |
|---|------------|--|---------|--------------------------|------------------------------------|
| SILANE TREATED SILICA                       | Ingestion  | Not toxic to female reproduction   | Rat     | NOAEL 509<br>mg/kg/day   | 1 generation                       |
| SILANE TREATED SILICA                       | Ingestion  | Not toxic to male reproduction   | Rat     | NOAEL 497<br>mg/kg/day   | 1 generation                       |
| SILANE TREATED SILICA                       | Ingestion  | Not toxic to development   | Rat     | NOAEL 1,350<br>mg/kg/day | during<br>organogenesi<br>s        |
| FUSED SILICA                                | Ingestion  | Not toxic to female reproduction   | Rat     | NOAEL 509<br>mg/kg/day   | 1 generation                       |
| FUSED SILICA                                | Inhalation | Not toxic to male reproduction   | Rat     | NOAEL 497<br>mg/kg/day   | 1 generation                       |
| FUSED SILICA                                | Ingestion  | Not toxic to development   | Rat     | NOAEL 1,350<br>mg/kg/day | during<br>organogenesi<br>s        |
| POLYETHYLENE GLYCOL, SILOXANE<br>TERMINATED | Ingestion  | Some positive<br>reproductive/developmental data exist,<br>but the data are not sufficient for<br>classification | Rat     | NOAEL 450<br>mg/kg/day   | premating &<br>during<br>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

| Name                     | Route      | Target Organ(s)                   | Value  | Species | Test Result            | Exposure<br>Duration     |
|--------------------------|------------|-----------------------------------|--|---------|------------------------|--------------------------|
| CRISTOBALITE             | Inhalation | silicosis                         | Causes damage to organs through prolonged or repeated exposure | Human   | NOAEL Not<br>available | occupational<br>exposure |
| SILANE TREATED<br>SILICA | Inhalation | respiratory system  <br>silicosis | All data are negative  | Human   | NOAEL Not<br>available | occupational<br>exposure |
| FUSED SILICA             | Inhalation | respiratory system  <br>silicosis | All data are negative  | Human   | NOAEL Not<br>available | occupational<br>exposure |
| TRIDYMITE                | Inhalation | silicosis                         | Causes damage to organs through prolonged or repeated exposure | Human   | NOAEL Not<br>available | occupational<br>exposure |
| QUARTZ SILICA            | Inhalation | silicosis                         | Causes damage to organs through prolonged or repeated exposure | Human   | NOAEL Not<br>available | occupational<br>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. 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 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: 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: | 31-4838-4 | Version Number:  | 3.00     |
|-----------------|-----------|------------------|----------|
| Issue Date:     | 02/25/16  | Supercedes Date: | 12/16/14 |

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