



## Safety Data Sheet

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|                        |           |                         |          |
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| <b>Issue Date:</b>     | 06/27/23  | <b>Supersedes Date:</b> | 02/25/16 |

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Cavit™ (44351, 44030)

#### Product Identification Numbers

| ID Number      | UPC              | ID Number      | UPC              |
|----------------|------------------|----------------|------------------|
| 70-2011-0154-3 | +H-44453-01430-0 | 70-2011-0155-0 | +H-44453-01531-0 |
| 70-2011-0156-8 | +H-44453-01632-0 | 70-2011-0157-6 | +H-44453-01733-0 |
| 70-2011-0158-4 | +H-44453-01834-0 | 70-2011-0159-2 | +H-44453-01935-0 |
| 70-2011-0460-4 |                  | 70-2011-0461-2 |                  |
| 70-2011-0462-0 |                  | 70-2011-0463-8 |                  |
| 70-2011-0464-6 |                  | 70-2011-2004-8 |                  |
| 70-2011-2096-4 |                  | 70-2011-2097-2 |                  |
| 70-2011-2098-0 |                  | 70-2011-3642-4 |                  |
| 70-2011-4083-0 |                  | UU-0125-4379-7 |                  |
| UU-0125-4716-0 |                  |                |                  |

7000030667, 7000055089, 7000054919, 7000055217, 7100303015, 7100303022

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

##### Recommended use

Dental product, Temporary dental restorative

##### Restrictions on use

For use only by dental professionals

#### 1.3. Supplier's details

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

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazard identification

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

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

### 2.1. Hazard classification

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

### 2.2. Label elements

#### Signal word

Not applicable.

#### Symbols

Not applicable.

#### Pictograms

Not applicable.

## SECTION 3: Composition/information on ingredients

| Ingredient                           | C.A.S. No. | % by Wt                |
|--------------------------------------|------------|------------------------|
| ZINC OXIDE                           | 1314-13-2  | 40 - 60 Trade Secret * |
| SULFURIC ACID, CALCIUM SALT, HYDRATE | 10034-76-1 | 15 - 35 Trade Secret * |
| ETHYLENE BIS(OXYETHYLENE)DIACETATE   | 111-21-7   | 10 - 20 Trade Secret * |
| ZINC SULFATE                         | 7733-02-0  | 1 - 20 Trade Secret *  |
| POLY(VINYL ACETATE)                  | 9003-20-7  | 1 - 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

No critical symptoms or effects. See Section 11.1, information on toxicological effects.

### 4.3. Indication of any immediate medical attention and special treatment required

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

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

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

None inherent in this product.

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

Carbon monoxide  
Carbon dioxide  
Irritant Vapors or Gases

**Condition**

During Combustion  
During Combustion  
During Combustion

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

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

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. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Avoid prolonged or repeated skin contact. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment.

**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.

| <b>Ingredient</b>       | <b>C.A.S. No.</b> | <b>Agency</b> | <b>Limit type</b>   | <b>Additional Comments</b> |
|-------------------------|-------------------|---------------|---|----------------------------|
| DUST, INERT OR NUISANCE | 10034-76-1        | OSHA          | TWA(as total dust):15 mg/m <sup>3</sup> ;TWA(as total dust):50 millions of particles/cu. ft.(15 mg/m <sup>3</sup> );TWA(respirable fraction):5 mg/m <sup>3</sup> ;TWA(respirable fraction):15 millions of particles/cu. ft.(5 mg/m <sup>3</sup> ) |                            |
| Plaster of Paris        | 10034-76-1        | OSHA          | TWA(as total dust):15   |                            |

|  |            |       |   |  |
|--|------------|-------|---|--|
| (Ca(SO <sub>4</sub> ).1/2H <sub>2</sub> O) |            |       | mg/m <sup>3</sup> ;TWA(respirable fraction):5 mg/m <sup>3</sup>   |  |
| Sulfuric acid, calcium salt (1:1)          | 10034-76-1 | OSHA  | TWA(as total dust):15 mg/m <sup>3</sup> ;TWA(respirable fraction):5 mg/m <sup>3</sup>                                   |  |
| SULFURIC ACID, CALCIUM SALT, HYDRATE       | 10034-76-1 | ACGIH | TWA(inhalable fraction):10 mg/m <sup>3</sup>  |  |
| ZINC OXIDE                                 | 1314-13-2  | ACGIH | TWA(respirable fraction):2 mg/m <sup>3</sup> ;STEL(respirable fraction):10 mg/m <sup>3</sup>                            |  |
| ZINC OXIDE                                 | 1314-13-2  | OSHA  | TWA(as total dust):15 mg/m <sup>3</sup> ;TWA(respirable fraction):5 mg/m <sup>3</sup> ;TWA(as fume):5 mg/m <sup>3</sup> |  |

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

#### Appearance

Physical state

Solid

Color

Pink

#### Specific Physical Form:

Paste

Odor

Slight Acetic Acid

Odor threshold

No Data Available

pH

Not Applicable

Melting point

No Data Available

Boiling Point

Not Applicable

Flash Point

No flash point

Evaporation rate

No Data Available

|   |                            |
|---|----------------------------|
| Flammability (solid, gas)                   | Not Classified             |
| Flammable Limits(LEL)                       | <i>Not Applicable</i>      |
| Flammable Limits(UEL)                       | <i>Not Applicable</i>      |
| Vapor Pressure                              | <i>Not Applicable</i>      |
| Vapor Density                               | <i>Not Applicable</i>      |
| Density                                     | 2.6 - 3 g/cm <sup>3</sup>  |
| Specific Gravity                            | 2.6 - 3 [Ref Std: WATER=1] |
| Solubility in Water                         | Nil                        |
| Solubility- non-water                       | <i>No Data Available</i>   |
| Partition coefficient: n-octanol/ water     | <i>Not Applicable</i>      |
| Autoignition temperature                    | <i>Not Applicable</i>      |
| Decomposition temperature                   | <i>No Data Available</i>   |
| Viscosity                                   | <i>No Data Available</i>   |
| Molecular weight                            | <i>No Data Available</i>   |
| Volatile Organic Compounds                  | <i>Not Applicable</i>      |
| Percent volatile                            | <i>Not Applicable</i>      |
| VOC Less H <sub>2</sub> O & Exempt Solvents | <i>Not Applicable</i>      |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

#### Substance

#### Condition

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

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

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

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

## 11.1. Information on Toxicological effects

### Signs and Symptoms of Exposure

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.

### 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 |
| ZINC OXIDE                           | Dermal                         |                       | LD50 estimated to be > 5,000 mg/kg             |
| ZINC OXIDE                           | Inhalation-Dust/Mist (4 hours) | Rat                   | LC50 > 5.7 mg/l                                |
| ZINC OXIDE                           | Ingestion                      | Rat                   | LD50 > 5,000 mg/kg                             |
| SULFURIC ACID, CALCIUM SALT, HYDRATE | Dermal                         | Professional judgment | LD50 estimated to be > 5,000 mg/kg             |
| SULFURIC ACID, CALCIUM SALT, HYDRATE | Ingestion                      | similar compounds     | LD50 estimated to be > 5,000 mg/kg             |
| ETHYLENE BIS(OXYETHYLENE)DIACETATE   | Dermal                         | Rabbit                | LD50 9,040 mg/kg                               |
| ETHYLENE BIS(OXYETHYLENE)DIACETATE   | Ingestion                      | Rat                   | LD50 15,594 mg/kg                              |
| ZINC SULFATE                         | Dermal                         | Rat                   | LD50 > 2,000 mg/kg                             |
| ZINC SULFATE                         | Ingestion                      | Rat                   | LD50 920 mg/kg                                 |
| POLY(VINYL ACETATE)                  | Dermal                         |                       | LD50 estimated to be > 5,000 mg/kg             |
| POLY(VINYL ACETATE)                  | Ingestion                      | Rat                   | LD50 > 9,700 mg/kg                             |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name                | Species          | Value                     |
|---------------------|------------------|---------------------------|
| ZINC OXIDE          | Human and animal | No significant irritation |
| ZINC SULFATE        | Rabbit           | No significant irritation |
| POLY(VINYL ACETATE) | Rabbit           | Mild irritant             |

#### Serious Eye Damage/Irritation

| Name         | Species | Value         |
|--------------|---------|---------------|
| ZINC OXIDE   | Rabbit  | Mild irritant |
| ZINC SULFATE | Rabbit  | Corrosive     |

|                     |                        |                   |
|---------------------|------------------------|-------------------|
| POLY(VINYL ACETATE) | similar health hazards | Moderate irritant |
|---------------------|------------------------|-------------------|

### Skin Sensitization

| Name                | Species                 | Value          |
|---------------------|-------------------------|----------------|
| ZINC OXIDE          | Guinea pig              | Not classified |
| ZINC SULFATE        | Multiple animal species | Not classified |
| POLY(VINYL ACETATE) | Human                   | Not classified |

### Respiratory Sensitization

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

### Germ Cell Mutagenicity

| Name         | Route    | Value  |
|--------------|----------|--|
| ZINC OXIDE   | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| ZINC OXIDE   | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| ZINC SULFATE | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| ZINC SULFATE | In vivo  | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

| Name                | Route         | Species                 | Value            |
|---------------------|---------------|-------------------------|------------------|
| ZINC SULFATE        | Ingestion     | Mouse                   | Not carcinogenic |
| POLY(VINYL ACETATE) | Not Specified | Multiple animal species | Not carcinogenic |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name         | Route     | Value  | Species                 | Test Result              | Exposure Duration              |
|--------------|-----------|--|-------------------------|--------------------------|--------------------------------|
| ZINC OXIDE   | Ingestion | Not classified for reproduction and/or development | Multiple animal species | NOAEL 125 mg/kg/day      | prematuring & during gestation |
| ZINC SULFATE | Ingestion | Not classified for development                     | Rat                     | NOAEL 42.5 mg/kg/day     | during organogenesis           |
| ZINC SULFATE | Ingestion | Not classified for female reproduction             | similar compounds       | NOAEL 7.2 mg zinc/kg/day |                                |
| ZINC SULFATE | Ingestion | Not classified for male reproduction               | Rat                     | LOAEL 240 mg zinc/kg/day | 30 days                        |

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

| Name         | Route      | Target Organ(s)        | Value  | Species                | Test Result         | Exposure Duration |
|--------------|------------|------------------------|--|------------------------|---------------------|-------------------|
| ZINC SULFATE | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL not available |                   |

**Specific Target Organ Toxicity - repeated exposure**

| Name         | Route      | Target Organ(s)   | Value  | Species | Test Result               | Exposure Duration |
|--------------|------------|---|--|---------|---------------------------|-------------------|
| ZINC OXIDE   | Ingestion  | nervous system  | Not classified   | Rat     | NOAEL 600 mg/kg/day       | 10 days           |
| ZINC OXIDE   | Ingestion  | endocrine system   hematopoietic system   kidney and/or bladder   | Not classified   | Other   | NOAEL 500 mg/kg/day       | 6 months          |
| ZINC SULFATE | Inhalation | heart   respiratory system  | Not classified   | Rat     | NOAEL 100 ug zinc/m3      | 16 weeks          |
| ZINC SULFATE | Ingestion  | endocrine system  | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 53.5 mg zinc/kg/day | 13 weeks          |
| ZINC SULFATE | Ingestion  | hematopoietic system   liver   kidney and/or bladder   heart   gastrointestinal tract   bone, teeth, nails, and/or hair   immune system   muscles   nervous system   respiratory system | Not classified   | Rat     | NOAEL 564 mg zinc/kg/day  | 13 weeks          |

**Aspiration Hazard**

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

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

**SECTION 12: Ecological information****Ecotoxicological information**

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

**Chemical fate information**

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

**SECTION 13: Disposal considerations****13.1. Disposal methods**

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

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility.

**EPA Hazardous Waste Number (RCRA):** Not regulated

**SECTION 14: Transport Information**

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

**SECTION 15: Regulatory information**



## 15.1. US Federal Regulations

Contact 3M for more information.

### EPCRA 311/312 Hazard Classifications:

**Physical Hazards**

Not applicable

**Health Hazards**

Not applicable

### Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):

| <u>Ingredient</u>             | <u>C.A.S. No</u> | <u>% by Wt</u>       |
|-------------------------------|------------------|----------------------|
| ZINC OXIDE (ZINC COMPOUNDS)   | 1314-13-2        | Trade Secret 40 - 60 |
| ZINC SULFATE (ZINC COMPOUNDS) | 7733-02-0        | Trade Secret 1 - 20  |

## 15.2. State Regulations

Contact 3M for more information.

## 15.3. Chemical Inventories

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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