



## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Marine Adhesive Sealant Fast Cure 4000 UV, White

#### Product Identification Numbers

62-5563-1632-1, 62-5563-5232-6, 62-5563-5235-9  
7000121531, 7000046623, 7000121533

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

##### Recommended use

Adhesive

#### 1.3. Supplier's details

**MANUFACTURER:** 3M  
**DIVISION:** Industrial Adhesives and Tapes 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

#### 2.1. Hazard classification

Skin Sensitizer: Category 1.

Reproductive Toxicity: Category 1B.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Exclamation mark | Health Hazard |

##### Pictograms

**Hazard Statements**

May cause an allergic skin reaction.  
May damage fertility or the unborn child.

**Precautionary Statements****General:**

Keep out of reach of children.

**Prevention:**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wear protective gloves.  
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.  
IF exposed or concerned: Get medical advice/attention.

**Storage:**

Store locked up.

**Disposal:**

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

**Supplemental Information:**

Persons previously sensitized to amines may develop a cross-sensitization reaction to certain other amines.

### SECTION 3: Composition/information on ingredients

| Ingredient                                         | C.A.S. No.    | % by Wt                  |
|----------------------------------------------------|---------------|--------------------------|
| Calcium Carbonate                                  | 471-34-1      | 30 - 60                  |
| Polyethers (NJTS Reg. No. 04499600-6434)           | Trade Secret* | 15 - 40                  |
| Diisodecyl Phthalate                               | 68515-49-1    | 10 - 20 Trade Secret *   |
| Titanium Dioxide                                   | 13463-67-7    | 5 - 10 Trade Secret *    |
| Fatty acids, C16-18, sodium salts                  | 68424-38-4    | < 3                      |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | 1760-24-3     | 0.1 - 1 Trade Secret *   |
| Hindered Amine                                     | 63843-89-0    | < 1                      |
| Vinyltrimethoxysilane                              | 2768-02-7     | < 1                      |
| Tin, dioctylbis(2,4-pentanedionato-O,O')           | 54068-28-9    | 0.1 - 0.5 Trade Secret * |

NJTS or NJTSRN: New Jersey Trade Secret Registry Number.

\*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation:**

Remove person to fresh air. If you feel unwell, get medical attention.

**Skin Contact:**

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

**Eye Contact:**

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

Allergic skin reaction (redness, swelling, blistering, and itching).

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

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

DO NOT USE WATER In case of fire: Use a carbon dioxide or dry chemical extinguisher to extinguish.

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

None inherent in this product.

### Hazardous Decomposition or By-Products

**Substance**

Carbon monoxide

Carbon dioxide

Irritant Vapors or Gases

**Condition**

During Combustion

During Combustion

During Combustion

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

No special protective actions for fire-fighters are anticipated.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

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. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

### 6.3. Methods and material for containment and cleaning up

Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

Refer to Section 15 for additional information

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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

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

Keep container tightly closed to prevent contamination with water or air. If contamination is suspected, do not reseal container. Store away from heat. Store away from amines.

Refer to Section 15 for additional information

## 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                       |
|---------------------------------------------------------------------------------------|------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Titanium Dioxide                                                                      | 13463-67-7 | ACGIH  | TWA(Respirable nanoscale particles):0.2 mg/m <sup>3</sup> ;TWA(Respirable finescale particles):2.5 mg/m <sup>3</sup>                                       | A3: Confirmed animal carcin.              |
| Titanium Dioxide                                                                      | 13463-67-7 | OSHA   | TWA(as total dust):15 mg/m <sup>3</sup>                                                                                                                    |                                           |
| DUST, INERT OR NUISANCE                                                               | 471-34-1   | OSHA   | TWA(as total dust):50 millions of particles/cu. ft.(15 mg/m <sup>3</sup> );TWA(respirable fraction):15 millions of particles/cu. ft.(5 mg/m <sup>3</sup> ) |                                           |
| Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles  | 471-34-1   | ACGIH  | TWA(inhalable particulates):10 mg/m <sup>3</sup>                                                                                                           |                                           |
| Particles (insoluble or poorly soluble) not otherwise specified, respirable particles | 471-34-1   | ACGIH  | TWA(respirable particles):3 mg/m <sup>3</sup>                                                                                                              |                                           |
| TIN, ORGANIC COMPOUNDS                                                                | 54068-28-9 | ACGIH  | TWA(as Sn):0.1 mg/m <sup>3</sup> ;STEL(as Sn):0.2                                                                                                          | A4: Not class. as human carcin, Danger of |

|                        |            |      |                      |                      |
|------------------------|------------|------|----------------------|----------------------|
|                        |            |      | mg/m3                | cutaneous absorption |
| TIN, ORGANIC COMPOUNDS | 54068-28-9 | OSHA | TWA(as Sn):0.1 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 general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

### 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

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

Gloves made from the following material(s) are recommended: Polymer laminate

When only incidental contact is anticipated, alternative glove material(s) may be used. If contact with the glove does occur, remove immediately and replace with a set of new gloves. For incidental contact, gloves made of the following material(s) may be used: Nitrile Rubber

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

#### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

Refer to Section 15 for additional information

## SECTION 9: Physical and chemical properties

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

**Appearance**

Physical state  
Color

Liquid  
White

Specific Physical Form:

Paste

Odor

Slight Polyether

Odor threshold

*No Data Available*

pH

*No Data Available*

Melting point

*Not Applicable*

Boiling Point

*Not Applicable*

Flash Point

No flash point

Evaporation rate

*Not Applicable*

Flammability (solid, gas)

Not Applicable

Flammable Limits(LEL)

*Not Applicable*

Flammable Limits(UEL)

*Not Applicable*

Vapor Pressure

*Not Applicable*

Vapor Density

*Not Applicable*

Density

1.3 - 1.5 g/ml

Specific Gravity

1.3 - 1.5 [Ref Std: WATER=1]

Solubility In Water

*No Data Available*

Solubility- non-water

*No Data Available*

Partition coefficient: n-octanol/ water

*No Data Available*

Autoignition temperature

*No Data Available*

Decomposition temperature

*No Data Available*

Viscosity

*No Data Available*

Hazardous Air Pollutants

0 % weight

Molecular weight

*No Data Available*

Volatile Organic Compounds

16 g/l [Test Method: tested per EPA method 24]

Percent volatile

0.93 % weight

VOC Less H<sub>2</sub>O & Exempt Solvents

16 g/l [Test Method: tested per EPA method 24]

VOC Less H<sub>2</sub>O & Exempt Solvents

0.93 % [Test Method: tested per EPA method 24]

## 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

Alcohols

Amines

Water

### 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.

### 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. 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.

May cause additional health effects (see below).

#### Additional Health Effects:

##### Reproductive/Developmental Toxicity:

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

##### Carcinogenicity:

| Ingredient       | CAS No.    | Class Description             | Regulation                                  |
|------------------|------------|-------------------------------|---------------------------------------------|
| Titanium dioxide | 13463-67-7 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |

#### Additional Information:

Persons previously sensitized to amines may develop a cross-sensitization reaction to certain other amines.

#### 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 |
| Calcium Carbonate | Dermal               | Rat     | LD50 > 2,000 mg/kg                             |
| Calcium Carbonate | Inhalation-Dust/Mist | Rat     | LC50 3 mg/l                                    |

|                                                    |                                |                        |                                          |
|----------------------------------------------------|--------------------------------|------------------------|------------------------------------------|
|                                                    | (4 hours)                      |                        |                                          |
| Calcium Carbonate                                  | Ingestion                      | Rat                    | LD50 6,450 mg/kg                         |
| Polyethers (NJTS Reg. No. 04499600-6434)           | Ingestion                      | Rat                    | LD50 > 2,000 mg/kg                       |
| Polyethers (NJTS Reg. No. 04499600-6434)           | Dermal                         | similar health hazards | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Diisodecyl Phthalate                               | Dermal                         | Rabbit                 | LD50 > 3,160 mg/kg                       |
| Diisodecyl Phthalate                               | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 12.5 mg/l                         |
| Diisodecyl Phthalate                               | Ingestion                      | Rat                    | LD50 > 9,700 mg/kg                       |
| Titanium Dioxide                                   | Dermal                         | Rabbit                 | LD50 > 10,000 mg/kg                      |
| Titanium Dioxide                                   | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 6.82 mg/l                         |
| Titanium Dioxide                                   | Ingestion                      | Rat                    | LD50 > 10,000 mg/kg                      |
| Vinyltrimethoxysilane                              | Dermal                         | Rabbit                 | LD50 3,260 mg/kg                         |
| Vinyltrimethoxysilane                              | Inhalation-Vapor (4 hours)     | Rat                    | LC50 16.8 mg/l                           |
| Vinyltrimethoxysilane                              | Ingestion                      | Rat                    | LD50 7,120 mg/kg                         |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Dermal                         | Rabbit                 | LD50 > 2,000 mg/kg                       |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 1.49, < 2.44 mg/l                 |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Ingestion                      | Rat                    | LD50 1,897 mg/kg                         |
| Tin, dioctylbis(2,4-pentanedionato-O,O')           | Dermal                         | Rat                    | LD50 > 2,000 mg/kg                       |
| Tin, dioctylbis(2,4-pentanedionato-O,O')           | Ingestion                      | Rat                    | LD50 > 2,000 mg/kg                       |
| Hindered Amine                                     | Dermal                         | Rat                    | LD50 > 3,170 mg/kg                       |
| Hindered Amine                                     | Ingestion                      | Rat                    | LD50 1,490 mg/kg                         |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name                                               | Species | Value                     |
|----------------------------------------------------|---------|---------------------------|
| Calcium Carbonate                                  | Rabbit  | No significant irritation |
| Diisodecyl Phthalate                               | Rabbit  | Minimal irritation        |
| Titanium Dioxide                                   | Rabbit  | No significant irritation |
| Vinyltrimethoxysilane                              | Rabbit  | Minimal irritation        |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Rabbit  | Mild irritant             |
| Tin, dioctylbis(2,4-pentanedionato-O,O')           | Rabbit  | No significant irritation |
| Hindered Amine                                     | Rabbit  | No significant irritation |

**Serious Eye Damage/Irritation**

| Name                                               | Species | Value                     |
|----------------------------------------------------|---------|---------------------------|
| Calcium Carbonate                                  | Rabbit  | No significant irritation |
| Diisodecyl Phthalate                               | Rabbit  | Mild irritant             |
| Titanium Dioxide                                   | Rabbit  | No significant irritation |
| Vinyltrimethoxysilane                              | Rabbit  | No significant irritation |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Rabbit  | Corrosive                 |
| Tin, dioctylbis(2,4-pentanedionato-O,O')           | Rabbit  | Mild irritant             |
| Hindered Amine                                     | Rabbit  | Mild irritant             |

**Skin Sensitization**

| Name                  | Species          | Value                                                                        |
|-----------------------|------------------|------------------------------------------------------------------------------|
| Diisodecyl Phthalate  | Guinea pig       | Not classified                                                               |
| Titanium Dioxide      | Human and animal | Not classified                                                               |
| Vinyltrimethoxysilane | Guinea pig       | Some positive data exist, but the data are not sufficient for classification |



|                                                    |                         |                |
|----------------------------------------------------|-------------------------|----------------|
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Multiple animal species | Sensitizing    |
| Tin, dioctylbis(2,4-pentanedionato-O,O')           | Mouse                   | Sensitizing    |
| Hindered Amine                                     | Guinea pig              | Not classified |

### Photosensitization

| Name           | Species    | Value           |
|----------------|------------|-----------------|
| Hindered Amine | Guinea pig | Not sensitizing |

### Respiratory Sensitization

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

### Germ Cell Mutagenicity

| Name                                               | Route    | Value                                                                        |
|----------------------------------------------------|----------|------------------------------------------------------------------------------|
| Diisodecyl Phthalate                               | In Vitro | Not mutagenic                                                                |
| Diisodecyl Phthalate                               | In vivo  | Not mutagenic                                                                |
| Titanium Dioxide                                   | In Vitro | Not mutagenic                                                                |
| Titanium Dioxide                                   | In vivo  | Not mutagenic                                                                |
| Vinyltrimethoxysilane                              | In vivo  | Not mutagenic                                                                |
| Vinyltrimethoxysilane                              | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | In Vitro | Not mutagenic                                                                |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | In vivo  | Not mutagenic                                                                |
| Tin, dioctylbis(2,4-pentanedionato-O,O')           | In Vitro | Not mutagenic                                                                |
| Hindered Amine                                     | In vivo  | Not mutagenic                                                                |
| Hindered Amine                                     | In Vitro | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

| Name             | Route      | Species                 | Value            |
|------------------|------------|-------------------------|------------------|
| Titanium Dioxide | Ingestion  | Multiple animal species | Not carcinogenic |
| Titanium Dioxide | Inhalation | Rat                     | Carcinogenic     |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name                  | Route      | Value                                  | Species | Test Result           | Exposure Duration            |
|-----------------------|------------|----------------------------------------|---------|-----------------------|------------------------------|
| Calcium Carbonate     | Ingestion  | Not classified for development         | Rat     | NOAEL 625 mg/kg/day   | premating & during gestation |
| Diisodecyl Phthalate  | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 927 mg/kg/day   | 2 generation                 |
| Diisodecyl Phthalate  | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 929 mg/kg/day   | 2 generation                 |
| Diisodecyl Phthalate  | Ingestion  | Toxic to development                   | Rat     | NOAEL 38 mg/kg/day    | 2 generation                 |
| Vinyltrimethoxysilane | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 1,000 mg/kg/day | premating into lactation     |
| Vinyltrimethoxysilane | Ingestion  | Not classified for development         | Rat     | NOAEL 1,000 mg/kg/day | premating into lactation     |
| Vinyltrimethoxysilane | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 1,000 mg/kg/day | premating into lactation     |
| Vinyltrimethoxysilane | Inhalation | Not classified for development         | Rat     | NOAEL 1.8 mg/l        | during organogenesis         |

|                                                    |           |                                        |                   |                     |                          |
|----------------------------------------------------|-----------|----------------------------------------|-------------------|---------------------|--------------------------|
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Ingestion | Not classified for female reproduction | Rat               | NOAEL 500 mg/kg/day | premating into lactation |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Ingestion | Not classified for male reproduction   | Rat               | NOAEL 500 mg/kg/day | 28 days                  |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Ingestion | Not classified for development         | Rat               | NOAEL 750 mg/kg/day | during gestation         |
| Tin, dioctylbis(2,4-pentanedionato-O,O')           | Ingestion | Toxic to development                   | similar compounds | NOAEL not available | 2 generation             |
| Hindered Amine                                     | Ingestion | Not classified for female reproduction | Rat               | NOAEL 10 mg/kg/day  | premating into lactation |
| Hindered Amine                                     | Ingestion | Not classified for male reproduction   | Rat               | NOAEL 10 mg/kg/day  | 36 days                  |
| Hindered Amine                                     | Ingestion | Not classified for development         | Rat               | NOAEL 10 mg/kg/day  | premating into lactation |

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

| Name                                               | Route      | Target Organ(s)        | Value                                                                        | Species                | Test Result         | Exposure Duration |
|----------------------------------------------------|------------|------------------------|------------------------------------------------------------------------------|------------------------|---------------------|-------------------|
| Calcium Carbonate                                  | Inhalation | respiratory system     | Not classified                                                               | Rat                    | NOAEL 0.812 mg/l    | 90 minutes        |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | 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     |
|----------------------------------------------------|------------|------------------------------------------------------------------------|------------------------------------------------------------------------------|---------|-----------------------|-----------------------|
| Calcium Carbonate                                  | Inhalation | respiratory system                                                     | Not classified                                                               | Human   | NOAEL Not available   | occupational exposure |
| Diisodecyl Phthalate                               | Inhalation | respiratory system   hematopoietic system   liver                      | Not classified                                                               | Rat     | NOAEL 0.5 mg/l        | 2 weeks               |
| Diisodecyl Phthalate                               | Inhalation | kidney and/or bladder                                                  | Not classified                                                               | Rat     | NOAEL 0.5 mg/l        | 2 generation          |
| Diisodecyl Phthalate                               | Ingestion  | endocrine system                                                       | Not classified                                                               | Rat     | NOAEL 686 mg/kg/day   | 90 days               |
| Diisodecyl Phthalate                               | Ingestion  | liver   kidney and/or bladder   heart                                  | Not classified                                                               | Rat     | NOAEL 500 mg/kg/day   | 90 days               |
| Diisodecyl Phthalate                               | Ingestion  | hematopoietic system                                                   | Not classified                                                               | Dog     | NOAEL 320 mg/kg/day   | 90 days               |
| Titanium Dioxide                                   | Inhalation | respiratory system                                                     | Some positive data exist, but the data are not sufficient for classification | Rat     | LOAEL 0.01 mg/l       | 2 years               |
| Titanium Dioxide                                   | Inhalation | pulmonary fibrosis                                                     | Not classified                                                               | Human   | NOAEL Not available   | occupational exposure |
| Vinyltrimethoxysilane                              | Inhalation | kidney and/or bladder                                                  | Not classified                                                               | Rat     | NOAEL mg/l            | 14 weeks              |
| Vinyltrimethoxysilane                              | Inhalation | hematopoietic system   eyes                                            | Not classified                                                               | Rat     | NOAEL 2.4 mg/l        | 14 weeks              |
| Vinyltrimethoxysilane                              | Ingestion  | kidney and/or bladder                                                  | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 250 mg/kg/day   | 40 days               |
| Vinyltrimethoxysilane                              | Ingestion  | endocrine system   hematopoietic system   liver   immune system        | Not classified                                                               | Rat     | NOAEL 1,000 mg/kg/day | 40 days               |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Dermal     | skin   endocrine system   hematopoietic system   kidney and/or bladder | Not classified                                                               | Rat     | NOAEL 1,545 mg/kg/day | 11 days               |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Inhalation | respiratory system                                                     | May cause damage to organs though prolonged or repeated                      | Rat     | NOAEL 0.015 mg/l      | 90 days               |

|                                                    |            |                                                                       | exposure                                                       |                   |                     |         |
|----------------------------------------------------|------------|-----------------------------------------------------------------------|----------------------------------------------------------------|-------------------|---------------------|---------|
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Inhalation | hematopoietic system   eyes   kidney and/or bladder                   | Not classified                                                 | Rat               | NOAEL 0.044 mg/l    | 90 days |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Ingestion  | hematopoietic system   nervous system                                 | Not classified                                                 | Rat               | NOAEL 500 mg/kg/day | 28 days |
| Tin, dioctylbis(2,4-pentanedionato-O,O')           | Ingestion  | immune system                                                         | Causes damage to organs through prolonged or repeated exposure | similar compounds | NOAEL not available |         |
| Hindered Amine                                     | Ingestion  | gastrointestinal tract   hematopoietic system   liver   immune system | Causes damage to organs through prolonged or repeated exposure | Rat               | NOAEL 2 mg/kg/day   | 36 days |

**Aspiration Hazard**

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

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

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

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

**Chemical fate information**

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

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

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

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

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

Refer to Section 15 for additional information

**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**

Reproductive toxicity

Respiratory or Skin Sensitization

**Additional TSCA Information**

| <b>Components</b>                        | <b>CAS No</b> | <b>Additional Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tin, dioctylbis(2,4-pentanedionato-O,O') | 54068-28-9    | Allowed use(s): Catalyst. Required exposure controls when handling the LVE substance: Use in a well-ventilated area/ Appropriate general dilution and/or local exhaust ventilation; Gloves composed of material as determined by results of exposure assessment; sufficiently protective workclothes; impermeable gloves. Required environmental release controls for the LVE substance: Wastes and cleanup materials may be incinerated in a permitted facility or landfill. |

**15.2. State Regulations**

Contact 3M for more information.

**California Proposition 65****Ingredient**

Di-isodecyl phthalate (DIDP)

**C.A.S. No.**

68515-49-1

**Listing**

Developmental Toxin

**15.3. Chemical Inventories**

The components of this product are in compliance with the chemical notification requirements of TSCA. One or more of the components in this material is not listed on the TSCA inventory, but is approved for specific commercial use(s) under a US EPA low volume exemption.

Contact 3M for more information.

**15.4. International Regulations**

Contact 3M for more information.

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

**SECTION 16: Other information****NFPA Hazard Classification**

**Health:** 2 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None

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

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**Supersedes Date:** 02/19/25

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