



## Safety Data Sheet

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|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
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### SECTION 1: Identification

#### 1.1. Product identifier

3M(TM) Sealant 730 UV, Clear

#### Product Identification Numbers

| ID Number      | UPC | ID Number      | UPC |
|----------------|-----|----------------|-----|
| 62-5292-3930-3 |     | 62-5292-3935-2 |     |
| 62-5292-5230-6 |     | 62-5292-5235-5 |     |

7100003045, 7000121507

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

##### Recommended use

Sealant

#### 1.3. Supplier's details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Industrial Adhesives and Tapes 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

#### 2.1. Hazard classification

Serious Eye Damage/Irritation: Category 1.  
 Skin Corrosion/Irritation: Category 2.  
 Skin Sensitizer: Category 1.  
 Reproductive Toxicity: Category 1B.  
 Specific Target Organ Toxicity (repeated exposure): Category 2.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Corrosion | Exclamation mark | Health Hazard |

**Pictograms**



**Hazard Statements**

Causes serious eye damage.  
 Causes skin irritation.  
 May cause an allergic skin reaction.  
 May damage fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure:  
 respiratory system |

**Precautionary Statements**

**Prevention:**

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wear protective gloves and eye/face protection.  
 Wash thoroughly after handling.  
 Contaminated work clothing must not be allowed out of the workplace.

**Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 IF ON SKIN: Wash with plenty of soap and water.  
 Immediately call a POISON CENTER or doctor/physician.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 Take off contaminated clothing and wash it before reuse.  
 IF exposed or concerned: Get medical advice/attention.

**Storage:**

Store locked up.

**Disposal:**

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

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

| Ingredient  | C.A.S. No.    | % by Wt |
|---|---------------|---------|
| Polyether (NJTS Reg. No. 04499600-6767)                     | Trade Secret* | 50 - 70 |
| CALCIUM CARBONATE   | 471-34-1      | 15 - 25 |
| Fumed Silica  | 68611-44-9    | 10 - 20 |
| Organofunctional Silane Ester (NJTS Reg. No. 04499600-6769) | Trade Secret* | 1 - 20  |
| Plasticizer (NJTS Reg. No. 04499600-6768)                   | Trade Secret* | 5 - 15  |
| Organosilane (NJTS Reg. No. 04499600-6770)                  | Trade Secret* | 1 - 10  |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]-          | 1760-24-3     | 0.5 - 2 |

|                      |            |        |
|----------------------|------------|--------|
| Dibutyltin Oxide     | 818-08-6   | < 1    |
| DIISOOCTYL PHTHALATE | 27554-26-3 | < 1    |
| Hindered Amine       | 63843-89-0 | <= 0.2 |

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:

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

#### If Swallowed:

Rinse mouth. If you feel unwell, get medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1. Information on toxicological effects.

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

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

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

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

None inherent in this product.

### Hazardous Decomposition or By-Products

#### Substance

Carbon monoxide  
Carbon dioxide  
Hydrogen Chloride  
Irritant Vapors or Gases  
Oxides of Nitrogen

#### Condition

During Combustion  
During Combustion  
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**

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

**6.2. Environmental precautions**

Avoid release to the environment.

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

Collect as much of the spilled material as possible. 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**

For industrial/occupational use only. Not for consumer sale or use. 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. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (gloves, respirators, etc.) as required.

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

Store away from acids. Store away from oxidizing agents.

**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  |
|------------------------|------------|--------|--|--|
| Limestone              | 471-34-1   | OSHA   | TWA(as total dust):15 mg/m3;TWA(respirable fraction):5 mg/m3     |  |
| SILICA, AMORPHOUS      | 68611-44-9 | OSHA   | TWA:20 millions of particles/cu. ft.;TWA concentration:0.8 mg/m3 |  |
| TIN, ORGANIC COMPOUNDS | 818-08-6   | ACGIH  | TWA(as Sn):0.1 mg/m3;STEL(as Sn):0.2 mg/m3                       | A4: Not class. as human carcin, Danger of cutaneous absorption |
| TIN, ORGANIC COMPOUNDS | 818-08-6   | 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:

- Full Face Shield
Indirect Vented Goggles

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

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state
Color

Solid
Yellow

Specific Physical Form:

Paste

Odor

Mild Odor, Sweet Odor

Odor threshold

No Data Available

pH

Not Applicable

Melting point

No Data Available

Boiling Point

Not Applicable

Flash Point

> 200 °F [Test Method:Closed Cup]

Evaporation rate

No Data Available

Flammability (solid, gas)

Not Classified

Flammable Limits(LEL)

No Data Available

Flammable Limits(UEL)

No Data Available

Vapor Pressure

Negligible

Vapor Density

No Data Available

Density

1.05 g/ml

Specific Gravity

1.05

|   |  |
|---|--|
| Solubility in Water                     | Slight (less than 10%)                                 |
| 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                               | 450,000 centipoise                                     |
| Hazardous Air Pollutants                | 0 % weight [ <i>Test Method:Calculated</i> ]           |
| Molecular weight                        | No Data Available                                      |
| Volatile Organic Compounds              | 1.0 % [ <i>Test Method:tested per EPA method 24</i> ]  |
| VOC Less H2O & Exempt Solvents          | 11 g/l [ <i>Test Method:tested per EPA method 24</i> ] |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids

Strong oxidizing agents

### 10.6. Hazardous decomposition products

| <u>Substance</u> | <u>Condition</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.

### 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.

May cause additional health effects (see below).

**Skin Contact:**

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

**Eye Contact:**

Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

**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:****Prolonged or repeated exposure may cause target organ effects:**

Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

**Reproductive/Developmental Toxicity:**

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

**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 |
| Polyether (NJTS Reg. No. 04499600-6767)            | Dermal                         |         | LD50 estimated to be > 5,000 mg/kg             |
| Polyether (NJTS Reg. No. 04499600-6767)            | Ingestion                      | Rat     | LD50 5,000 mg/kg                               |
| CALCIUM CARBONATE                                  | Dermal                         | Rat     | LD50 > 2,000 mg/kg                             |
| CALCIUM CARBONATE                                  | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 3 mg/l                                    |
| CALCIUM CARBONATE                                  | Ingestion                      | Rat     | LD50 6,450 mg/kg                               |
| Fumed Silica                                       | Dermal                         | Rabbit  | LD50 > 5,000 mg/kg                             |
| Fumed Silica                                       | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 0.691 mg/l                              |
| Fumed Silica                                       | Ingestion                      | Rat     | LD50 > 5,110 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                               |
| Dibutyltin Oxide                                   | Dermal                         | Rat     | LD50 > 2,000 mg/kg                             |
| Dibutyltin Oxide                                   | Ingestion                      | Rat     | LD50 164 mg/kg                                 |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name   | Species | Value                     |
|--|---------|---------------------------|
| CALCIUM CARBONATE                                  | Rabbit  | No significant irritation |
| Fumed Silica                                       | Rabbit  | No significant irritation |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Rabbit  | Mild irritant             |
| Dibutyltin Oxide                                   | Rabbit  | Irritant                  |

### Serious Eye Damage/Irritation

| Name   | Species | Value                     |
|--|---------|---------------------------|
| CALCIUM CARBONATE                                  | Rabbit  | No significant irritation |
| Fumed Silica                                       | Rabbit  | No significant irritation |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Rabbit  | Corrosive                 |
| Dibutyltin Oxide                                   | Rabbit  | Corrosive                 |

### Skin Sensitization

| Name   | Species                 | Value          |
|--|-------------------------|----------------|
| Fumed Silica                                       | Human and animal        | Not classified |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Multiple animal species | Sensitizing    |
| Dibutyltin Oxide                                   | Guinea pig              | Sensitizing    |

### Respiratory Sensitization

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

### Germ Cell Mutagenicity

| Name             | Route    | Value  |
|------------------|----------|--|
| Fumed Silica     | In Vitro | Not mutagenic  |
| Dibutyltin Oxide | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Dibutyltin Oxide | In vivo  | Mutagenic  |

### Carcinogenicity

| Name         | Route         | Species | Value  |
|--------------|---------------|---------|--|
| Fumed Silica | Not Specified | Mouse   | Some positive data exist, but the data are not sufficient for classification |

### 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   | prematuring & during gestation |
| Fumed Silica      | Ingestion | Not classified for female reproduction | Rat     | NOAEL 509 mg/kg/day   | 1 generation                   |
| Fumed Silica      | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 497 mg/kg/day   | 1 generation                   |
| Fumed Silica      | Ingestion | Not classified for development         | Rat     | NOAEL 1,350 mg/kg/day | during organogenesis           |
| Dibutyltin Oxide  | Ingestion | Toxic to female reproduction           | Rat     | NOAEL 2 mg/kg/day     | prematuring into lactation     |
| Dibutyltin Oxide  | Ingestion | Toxic to development                   | Rat     | NOAEL 2.5 mg/kg/day   | during gestation               |

### 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        |



|                  |           |               |                         |     |               |  |
|------------------|-----------|---------------|-------------------------|-----|---------------|--|
| Dibutyltin Oxide | Ingestion | immune system | Causes damage to organs | Rat | LOAEL 5 mg/kg |  |
|------------------|-----------|---------------|-------------------------|-----|---------------|--|

**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 |
| Fumed Silica                                       | Inhalation | respiratory system   silicosis | Not classified   | Human   | NOAEL Not available | occupational exposure |
| 1,2-Ethanediamine, N1-[3-(trimethoxysilyl)propyl]- | Inhalation | respiratory system             | May cause damage to organs though prolonged or repeated exposure | Rat     | NOAEL 0.015 mg/l    | 90 days               |
| Dibutyltin Oxide                                   | Ingestion  | liver                          | Causes damage to organs through prolonged or repeated exposure   | Rat     | NOAEL 2 mg/kg/day   | 2 weeks               |
| Dibutyltin Oxide                                   | Ingestion  | immune system                  | Causes damage to organs through prolonged or repeated exposure   | Rat     | NOAEL 0.3 mg/kg/day | 28 days               |

**Aspiration Hazard**

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

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

**SECTION 12: Ecological information**

**Ecotoxicological information**

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

**Chemical fate information**

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

**SECTION 13: Disposal considerations**

**13.1. Disposal methods**

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

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. 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

**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:**

|  |
|--|
| <b>Physical Hazards</b>                                      |
| Not applicable   |
| <b>Health Hazards</b>  |
| Reproductive toxicity  |
| Respiratory or Skin Sensitization                            |
| Serious eye damage or eye irritation                         |
| Skin Corrosion or Irritation                                 |
| Specific target organ toxicity (single or repeated exposure) |

**15.2. State Regulations**

Contact 3M for more information.

**15.3. Chemical Inventories**

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

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:** 3 **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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