



## Safety Data Sheet

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

#### 1.1. Product identifier

3M™ All-Around Autobody Sealant, PN 08500, 08510

#### Product Identification Numbers

| ID Number      | UPC              | ID Number | UPC |
|----------------|------------------|-----------|-----|
| 62-5533-5219-6 | 00-51135-08500-4 |           |     |
| 7000046622     |                  |           |     |

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

##### Recommended use

Autobody Sealant, Sealant

#### 1.3. Supplier's details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Automotive Aftermarket                  |
| <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

The label elements below were prepared in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200. This information may be different from the actual product label information for labels regulated by other agencies.

#### 2.1. Hazard classification

Serious Eye Damage/Irritation: Category 2A.

Carcinogenicity: Category 1A.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Exclamation mark | Health Hazard |

**Pictograms****Hazard Statements**

Causes serious eye irritation.  
May cause cancer.

**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.  
Wear eye/face protection.  
Wash thoroughly after handling.

**Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
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.

22% of the mixture consists of ingredients of unknown acute oral toxicity.  
22% of the mixture consists of ingredients of unknown acute dermal toxicity.  
22% of the mixture consists of ingredients of unknown acute inhalation toxicity.

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

| Ingredient                            | C.A.S. No.    | % by Wt                  |
|---------------------------------------|---------------|--------------------------|
| Limestone                             | 1317-65-3     | 30 - 60 Trade Secret *   |
| Water                                 | 7732-18-5     | 10 - 30 Trade Secret *   |
| Acrylic latex polymer                 | Trade Secret* | 10 - 30 Trade Secret *   |
| Diisononyl Phthalate                  | 28553-12-0    | 3 - 7 Trade Secret *     |
| Titanium Dioxide                      | 13463-67-7    | 1 - 5 Trade Secret *     |
| Polyoxyethylene Monoethylphenyl Ether | 9036-19-5     | < 2.5 Trade Secret *     |
| Stoddard Solvent                      | 8052-41-3     | 0.5 - 1.5 Trade Secret * |
| Formaldehyde                          | 50-00-0       | < 0.1 Trade Secret *     |
| Quartz Silica                         | 14808-60-7    | < 0.5 Trade Secret *     |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation:**

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

**Skin Contact:**

Wash with soap and water. If signs/symptoms develop, get medical attention.

**Eye Contact:**

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. 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

**Condition**

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. 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 detergent and water. 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

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. Avoid release to the environment. Use personal protective equipment (gloves, respirators, etc.) as required.

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

No special storage requirements.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

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

| Ingredient       | C.A.S. No. | Agency | Limit type   | Additional Comments  |
|------------------|------------|--------|--|--|
| Limestone        | 1317-65-3  | OSHA   | TWA(as total dust):15 mg/m <sup>3</sup> ;TWA(respirable fraction):5 mg/m <sup>3</sup>  |  |
| Titanium Dioxide | 13463-67-7 | ACGIH  | TWA:10 mg/m <sup>3</sup>   | A4: Not class. as human carcin                             |
| Titanium Dioxide | 13463-67-7 | OSHA   | TWA(as total dust):15 mg/m <sup>3</sup>  |  |
| Quartz Silica    | 14808-60-7 | ACGIH  | TWA(respirable fraction):0.025 mg/m <sup>3</sup>   | A2: Suspected human carcin.                                |
| Quartz Silica    | 14808-60-7 | OSHA   | TWA Table Z-1(respirable):0.05 mg/m <sup>3</sup> ;TWA Table Z-3(respirable):0.1 mg/m <sup>3</sup> ;TWA concentration(respirable):0.1 mg/m <sup>3</sup> (2.4 millions of particles/cu. ft.) |  |
| Formaldehyde     | 50-00-0    | ACGIH  | TWA:0.1 ppm;STEL:0.3 ppm   | A1: Confirmed human carcin., Dermal/Respiratory Sensitizer |
| Formaldehyde     | 50-00-0    | OSHA   | TWA:0.75 ppm;STEL:2 ppm  | 29 CFR 1910.1048   |
| Stoddard Solvent | 8052-41-3  | ACGIH  | TWA:100 ppm  |  |
| Stoddard Solvent | 8052-41-3  | OSHA   | TWA:2900 mg/m <sup>3</sup> (500 ppm)   |  |

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:

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: Fluoroelastomer

Nitrile Rubber

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

Liquid

Color

White

Specific Physical Form:

Paste

Odor

Mild Acrylic

Odor threshold

*No Data Available*

pH

7.5 - 8.5

Melting point

*Not Applicable*

Boiling Point

212 °F [*Test Method: Estimated*]

Flash Point

> 212 °F

Evaporation rate

0.3 [*Ref Std: BUOAC=1*]

Flammability (solid, gas)

Not Applicable

Flammable Limits(LEL)

*Not Applicable*

Flammable Limits(UEL)

*Not Applicable*

Vapor Pressure

18 mmHg [*Details: CONDITIONS: @ 25C*]

Vapor Density

0.8 [*Ref Std: AIR=1*]

Density

1.56 - 1.61 g/ml

Specific Gravity

1.60 [*Ref Std: WATER=1*]

Solubility in Water

Moderate

Solubility- non-water

*No Data Available*

Partition coefficient: n-octanol/ water

*No Data Available*

Autoignition temperature

*Not Applicable*

|                                |  |
|--------------------------------|--|
| Decomposition temperature      | No Data Available  |
| Viscosity                      | 120,000 centipoise                                       |
| Hazardous Air Pollutants       | 0.00006 lb HAPS/lb solids [Test Method: Calculated]      |
| Molecular weight               | No Data Available  |
| Volatile Organic Compounds     | 17 g/l [Test Method: calculated SCAQMD rule 443.1]       |
| Volatile Organic Compounds     | 1.03 % weight [Test Method: calculated per CARB title 2] |
| Percent volatile               | 24 - 26 % volume   |
| VOC Less H2O & Exempt Solvents | 21 g/l [Test Method: calculated SCAQMD rule 443.1]       |

## 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

| <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:

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

**Eye Contact:**

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

**Ingestion:**

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

**Additional Health Effects:****Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

| Ingredient  | CAS No.    | Class Description              | Regulation                                  |
|---|------------|--------------------------------|---|
| Silica, Crystalline (Respirable Size)                           | 14808-60-7 | Known To Be Human Carcinogen.  | National Toxicology Program Carcinogens     |
| Formaldehyde  | 50-00-0    | Known To Be Human Carcinogen.  | National Toxicology Program Carcinogens     |
| Formaldehyde  | 50-00-0    | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| FORMALDEHYDE  | 50-00-0    | Cancer hazard                  | OSHA Carcinogens                            |
| Silica dust, crystalline, in the form of quartz or cristobalite | 14808-60-7 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| Titanium dioxide  | 13463-67-7 | Grp. 2B: Possible human carc.  | International Agency for Research on Cancer |

**Toxicological Data**

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

**Acute Toxicity**

| Name                                   | Route                          | Species | Value  |
|--|--------------------------------|---------|--|
| Overall product                        | Dermal                         |         | No data available; calculated ATE >5,000 mg/kg |
| Overall product                        | Inhalation-Vapor(4 hr)         |         | No data available; calculated ATE >50 mg/l     |
| Overall product                        | Ingestion                      |         | No data available; calculated ATE >5,000 mg/kg |
| Limestone                              | Dermal                         | Rat     | LD50 > 2,000 mg/kg                             |
| Limestone                              | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 3 mg/l                                    |
| Limestone                              | Ingestion                      | Rat     | LD50 6,450 mg/kg                               |
| Diisononyl Phthalate                   | Dermal                         | Rabbit  | LD50 > 3,160 mg/kg                             |
| Diisononyl Phthalate                   | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 1.7 mg/l                                |
| Diisononyl Phthalate                   | Ingestion                      | Rat     | LD50 > 10,000 mg/kg                            |
| Polyoxyethylene Monoocetylphenyl Ether | Dermal                         | Rabbit  | LD50 > 3,000 mg/kg                             |
| Polyoxyethylene Monoocetylphenyl Ether | Ingestion                      | Rat     | LD50 > 500 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                            |
| Stoddard Solvent                       | Inhalation-Vapor               |         | LC50 estimated to be 20 - 50 mg/l              |
| Stoddard Solvent                       | Dermal                         | Rabbit  | LD50 > 3,000 mg/kg                             |
| Stoddard Solvent                       | Ingestion                      | Rat     | LD50 > 5,000 mg/kg                             |
| Quartz Silica                          | Dermal                         |         | LD50 estimated to be > 5,000 mg/kg             |
| Quartz Silica                          | Ingestion                      |         | LD50 estimated to be > 5,000 mg/kg             |
| Formaldehyde                           | Dermal                         | Rabbit  | LD50 270 mg/kg                                 |
| Formaldehyde                           | Inhalation-Gas (4 hours)       | Rat     | LC50 470 ppm                                   |
| Formaldehyde                           | Ingestion                      | Rat     | LD50 800 mg/kg                                 |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name                 | Species                 | Value                     |
|----------------------|-------------------------|---------------------------|
| Limestone            | Rabbit                  | No significant irritation |
| Diisononyl Phthalate | Rabbit                  | No significant irritation |
| Titanium Dioxide     | Rabbit                  | No significant irritation |
| Stoddard Solvent     | Rabbit                  | Irritant                  |
| Quartz Silica        | Professional judgement  | No significant irritation |
| Formaldehyde         | official classification | Corrosive                 |

**Serious Eye Damage/Irritation**

| Name                 | Species                 | Value                     |
|----------------------|-------------------------|---------------------------|
| Limestone            | Rabbit                  | No significant irritation |
| Diisononyl Phthalate | Rabbit                  | Mild irritant             |
| Titanium Dioxide     | Rabbit                  | No significant irritation |
| Stoddard Solvent     | Rabbit                  | No significant irritation |
| Formaldehyde         | official classification | Corrosive                 |

**Skin Sensitization**

| Name                 | Species          | Value          |
|----------------------|------------------|----------------|
| Diisononyl Phthalate | Human and animal | Not classified |
| Titanium Dioxide     | Human and animal | Not classified |
| Stoddard Solvent     | Guinea pig       | Not classified |
| Formaldehyde         | Guinea pig       | Sensitizing    |

**Respiratory Sensitization**

| Name         | Species | Value  |
|--------------|---------|--|
| Formaldehyde | Human   | Some positive data exist, but the data are not sufficient for classification |

**Germ Cell Mutagenicity**

| Name                 | Route    | Value  |
|----------------------|----------|--|
| Diisononyl Phthalate | In Vitro | Not mutagenic  |
| Titanium Dioxide     | In Vitro | Not mutagenic  |
| Titanium Dioxide     | In vivo  | Not mutagenic  |
| Stoddard Solvent     | In vivo  | Not mutagenic  |
| Stoddard Solvent     | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Quartz Silica        | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Quartz Silica        | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| Formaldehyde         | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Formaldehyde         | In vivo  | Mutagenic  |

**Carcinogenicity**

| Name                 | Route         | Species                 | Value  |
|----------------------|---------------|-------------------------|--|
| Diisononyl Phthalate | Ingestion     | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |
| Titanium Dioxide     | Ingestion     | Multiple animal species | Not carcinogenic   |
| Titanium Dioxide     | Inhalation    | Rat                     | Carcinogenic   |
| Stoddard Solvent     | Dermal        | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| Stoddard Solvent     | Inhalation    | Human and animal        | Some positive data exist, but the data are not sufficient for classification |
| Quartz Silica        | Inhalation    | Human and animal        | Carcinogenic   |
| Formaldehyde         | Not Specified | Human and animal        | Carcinogenic   |

**Reproductive Toxicity****Reproductive and/or Developmental Effects**

| Name                 | Route      | Value                                  | Species | Test Result           | Exposure Duration              |
|----------------------|------------|--|---------|-----------------------|--------------------------------|
| Limestone            | Ingestion  | Not classified for development         | Rat     | NOAEL 625 mg/kg/day   | prematuring & during gestation |
| Diisononyl Phthalate | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 500 mg/kg/day   | 2 generation                   |
| Diisononyl Phthalate | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 500 mg/kg/day   | 2 generation                   |
| Diisononyl Phthalate | Ingestion  | Not classified for development         | Rat     | NOAEL 1,000 mg/kg/day | during organogenesis           |
| Stoddard Solvent     | Inhalation | Not classified for development         | Rat     | NOAEL 2.4 mg/l        | during organogenesis           |
| Formaldehyde         | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 100 mg/kg       | not applicable                 |
| Formaldehyde         | Inhalation | Not classified for development         | Rat     | NOAEL 10 ppm          | during gestation               |

**Target Organ(s)****Specific Target Organ Toxicity - single exposure**

| Name             | Route      | Target Organ(s)                   | Value  | Species                | Test Result         | Exposure Duration |
|------------------|------------|-----------------------------------|--|------------------------|---------------------|-------------------|
| Limestone        | Inhalation | respiratory system                | Not classified   | Rat                    | NOAEL 0.812 mg/l    | 90 minutes        |
| Stoddard Solvent | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human and animal       | NOAEL Not available |                   |
| Stoddard Solvent | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification |                        | NOAEL Not available |                   |
| Stoddard Solvent | Inhalation | nervous system                    | Not classified   | Dog                    | NOAEL 6.5 mg/l      | 4 hours           |
| Stoddard Solvent | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Professional judgement | NOAEL Not available |                   |
| Formaldehyde     | Inhalation | respiratory system                | Causes damage to organs  | Rat                    | LOAEL 128 ppm       | 6 hours           |

|              |            |                        |  |       |                     |  |
|--------------|------------|------------------------|--|-------|---------------------|--|
| Formaldehyde | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available |  |
|--------------|------------|------------------------|--|-------|---------------------|--|

**Specific Target Organ Toxicity - repeated exposure**

| Name                 | Route      | Target Organ(s)   | Value  | Species                 | Test Result           | Exposure Duration     |
|----------------------|------------|---|--|-------------------------|-----------------------|-----------------------|
| Limestone            | Inhalation | respiratory system  | Not classified   | Human                   | NOAEL Not available   | occupational exposure |
| Diisononyl Phthalate | Dermal     | blood   liver   kidney and/or bladder   | Not classified   | Rabbit                  | NOAEL 2,425 mg/kg/day | 6 weeks               |
| Diisononyl Phthalate | Ingestion  | kidney and/or bladder   | Not classified   | Rat                     | NOAEL not available   | 13 weeks              |
| 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 |
| Stoddard Solvent     | Inhalation | nervous system  | Not classified   | Rat                     | LOAEL 4.6 mg/l        | 6 months              |
| Stoddard Solvent     | Inhalation | kidney and/or bladder   | Not classified   | Rat                     | LOAEL 1.9 mg/l        | 13 weeks              |
| Stoddard Solvent     | Inhalation | respiratory system  | Not classified   | Multiple animal species | NOAEL 0.6 mg/l        | 90 days               |
| Stoddard Solvent     | Inhalation | bone, teeth, nails, and/or hair   blood   liver   muscles                       | Not classified   | Rat                     | NOAEL 5.6 mg/l        | 12 weeks              |
| Stoddard Solvent     | Inhalation | heart   | Not classified   | Multiple animal species | NOAEL 1.3 mg/l        | 90 days               |
| Quartz Silica        | Inhalation | silicosis   | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL Not available   | occupational exposure |
| Formaldehyde         | Dermal     | respiratory system  | Not classified   | Mouse                   | NOAEL 80 mg/kg/day    | 60 weeks              |
| Formaldehyde         | Inhalation | respiratory system  | Causes damage to organs through prolonged or repeated exposure               | Rat                     | NOAEL 0.3 ppm         | 28 months             |
| Formaldehyde         | Inhalation | liver   | Not classified   | Rat                     | NOAEL 20 ppm          | 13 weeks              |
| Formaldehyde         | Inhalation | hematopoietic system  | Not classified   | Mouse                   | NOAEL 15 ppm          | 3 weeks               |
| Formaldehyde         | Inhalation | nervous system  | Not classified   | Mouse                   | NOAEL 10 ppm          | 13 weeks              |
| Formaldehyde         | Inhalation | endocrine system   immune system   muscles   kidney and/or bladder              | Not classified   | Rat                     | NOAEL 15 ppm          | 28 months             |
| Formaldehyde         | Inhalation | gastrointestinal tract  | Not classified   | Rat                     | NOAEL 15 ppm          | 2 years               |
| Formaldehyde         | Inhalation | eyes   vascular system  | Not classified   | Rat                     | NOAEL 14.3 ppm        | 2 years               |
| Formaldehyde         | Inhalation | heart   | Not classified   | Mouse                   | NOAEL 14.3 ppm        | 2 years               |
| Formaldehyde         | Ingestion  | liver   | Not classified   | Rat                     | NOAEL 300 mg/kg/day   | 2 years               |
| Formaldehyde         | Ingestion  | immune system   | Not classified   | Rat                     | NOAEL 20 mg/kg/day    | 4 weeks               |
| Formaldehyde         | Ingestion  | kidney and/or bladder   | Not classified   | Rat                     | NOAEL 15 mg/kg/day    | 24 months             |
| Formaldehyde         | Ingestion  | nervous system  | Not classified   | Rat                     | NOAEL 109 mg/kg/day   | 2 years               |
| Formaldehyde         | Ingestion  | heart   endocrine system   hematopoietic system   respiratory system   vascular | Not classified   | Rat                     | NOAEL 300 mg/kg/day   | 2 years               |

|              |           |                       |                |     |                     |         |
|--------------|-----------|-----------------------|----------------|-----|---------------------|---------|
|              |           | system                |                |     |                     |         |
| Formaldehyde | Ingestion | skin   muscles   eyes | Not classified | Rat | NOAEL 109 mg/kg/day | 2 years |

**Aspiration Hazard**

| Name             | Value             |
|------------------|-------------------|
| Stoddard Solvent | Aspiration hazard |

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.

**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**

Carcinogenicity

Serious eye damage or eye irritation

**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:** 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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