



## Safety Data Sheet

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|------------------------|------------|-------------------------|------------|
| <b>Document group:</b> | 26-7813-4  | <b>Version number:</b>  | 13.00      |
| <b>Issue Date:</b>     | 2025/08/21 | <b>Supersedes Date:</b> | 2020/10/28 |

## SECTION 1: Identification

### 1.1. Product identifier

3M™ SMC/FRP Repair Adhesive-3 PN 08271

### 1.2. Recommended use and restrictions on use

#### Recommended use

Automotive

### 1.3. Supplier's details

**Company:** 3M Canada Company  
**Division:** Automotive Aftermarket  
**Address:** 1840 Oxford Street East, Post Office Box 5757, London, Ontario N6A 4T1

**Telephone:** (800) 364-3577  
**E Mail:**

### 1.4. Emergency telephone number

Medical Emergency Telephone: 1-800-3M HELPS / 1800 364 3577

**This product is a kit or a multipart product which consists of multiple, independently packaged components. A Safety Data Sheet (SDS) or Article Information Sheet (AIS) for each of these components is included. Please do not separate the component documents from this cover page. The document numbers for components of this product are:**

26-5887-0, 26-7812-6

Transport in accordance with applicable regulations.

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## Safety Data Sheet

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|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
| <b>Document group:</b> | 26-5887-0  | <b>Version number:</b>  | 18.00      |
| <b>Issue Date:</b>     | 2025/08/14 | <b>Supersedes Date:</b> | 2023/04/27 |

This Safety Data Sheet has been prepared in accordance with the Canadian Hazardous Products Regulations.

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ SMC/Fiberglass Repair Adhesive-3 PN 08271 Part A

#### Product Identification Numbers

LB-K100-0680-6      LB-K100-0908-4

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

##### Intended Use

Automotive

##### Specific Use

Adhesive used with Part B

##### Restrictions on use

Not applicable

#### 1.3. Supplier's details

|                   |   |
|-------------------|---|
| <b>Company:</b>   | 3M Canada Company   |
| <b>Division:</b>  | Automotive Aftermarket  |
| <b>Address:</b>   | 1840 Oxford Street East, Post Office Box 5757, London, Ontario    N6A 4T1 |
| <b>Telephone:</b> | (800) 364-3577  |
| <b>Website:</b>   | www.3M.ca   |

#### 1.4. Emergency telephone number

Medical Emergency Telephone: 1-800-3M HELPS / 1800 364 3577

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

Skin Corrosion/Irritation: Category 2.

Serious Eye Damage/Irritation: Category 2A.

Respiratory Sensitizer: Category 1.

Skin Sensitizer: Category 1A.

Specific Target Organ Toxicity (repeated exposure): Category 1.

Specific Target Organ Toxicity (single exposure): Category 3.

**2.2. Label elements****Signal word**

Danger

**Symbols**

Exclamation mark | Health Hazard |

**Pictograms****Hazard Statements**

Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause respiratory irritation.

Causes damage to organs through prolonged or repeated exposure: respiratory system.

**Precautionary statements****Prevention:**

Do not breathe vapours. Wash exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection. In case of inadequate ventilation wear respiratory protection.

**Response:**

IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor if you feel unwell. Get medical attention if you feel unwell. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical advice. If experiencing respiratory symptoms: Call a POISON CENTER or doctor. Take off contaminated clothing and wash it before reuse.

**Storage:**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:**

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

**2.3. Other hazards**

None known.

40% of the mixture consists of ingredients of unknown acute inhalation toxicity.

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

This material is a mixture.

| Ingredient                     | C.A.S. No.   | % by Wt                | Common Name                               |
|--------------------------------|--------------|------------------------|---|
| Urethane Prepolymer            | Trade Secret | 30 - 60                | Not Applicable                            |
| Methylene Phenylene Isocyanate | 101-68-8     | 15 - 40 Trade Secret * | Benzene, 1,1'-methylenebis[4-isocyanato-  |
| 4,4'-                          | 25686-28-6   | 10 - 30 Trade Secret * | Benzene, 1,1'-methylenebis[4-isocyanato-, |

|                                     |              |                       |   |
|-------------------------------------|--------------|-----------------------|---|
| Diisocyanatodiphenylmethane Polymer |              |                       | homopolymer   |
| Aluminum Silicate                   | Trade Secret | 7 - 13                | Not Applicable  |
| Talc                                | 14807-96-6   | 7 - 13 Trade Secret * | Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) |
| Thickening Agent                    | Trade Secret | 1 - 5                 | Not Applicable  |

Urethane Prepolymer is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade secret.

Thickening Agent is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade secret.

Aluminum Silicate is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade secret.

\*The concentration (exact or range) of this component 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. 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

Irritating to the respiratory tract (coughing, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain). Allergic respiratory reaction (difficulty breathing, wheezing, cough, and tightness of chest). Allergic skin reaction (redness, swelling, blistering, and itching). Target organ effects following prolonged or repeated exposure. See Section 11 for additional details.

### 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 flammable liquids such as dry chemical or carbon dioxide to extinguish.

### 5.2. Unsuitable extinguishing media

DO NOT USE WATER

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

Closed containers exposed to heat from fire may build pressure and explode.

### Hazardous Decomposition or By-Products

#### Substance

Carbon monoxide

Carbon dioxide

Hydrogen Cyanide

#### Condition

During Combustion

During Combustion

During Combustion

Oxides of Nitrogen

During Combustion

**5.4. Special protection actions for fire-fighters**

Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

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

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. Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice.

**6.2. Environmental precautions**

Avoid release to the environment.

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

Contain spill. Pour isocyanate decontaminant solution (90% water, 8% concentrated ammonia, 2% detergent) on spill and allow to react for 10 minutes. Or pour water on spill and allow to react for more than 30 minutes. Cover with absorbent material. 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 container approved for transportation by appropriate authorities, but do not seal the container for 48 hours to avoid pressure build-up. 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. 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 or professional use only. Not for consumer sale or use. Do not use in a confined area with minimal air exchange. Do not breathe dust/fume/gas/mist/vapours/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.

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

Store in a well-ventilated place. Keep container tightly closed to prevent loss of stabilizing materials. 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 acids. Store away from strong bases. Store locked up.

**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 |
|------------|------------|--------|----------------------------------|---------------------|
| Talc       | 14807-96-6 | ACGIH  | TWA(respirable fraction):2 mg/m3 |                     |

|                   |              |       |                                  |  |
|-------------------|--------------|-------|----------------------------------|--|
| Aluminum Silicate | Trade Secret | ACGIH | TWA(respirable fraction):1 mg/m3 |  |
|-------------------|--------------|-------|----------------------------------|--|

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

## 8.2. Exposure controls

### 8.2.1. Engineering controls

Provide ventilated enclosure for curing. Curing enclosures must be exhausted to outdoors or to a suitable emission control device. 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/vapours/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

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 (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

#### 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 vapours 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

|                 |                   |
|-----------------|-------------------|
| Physical state  | Liquid            |
| Colour          | White             |
| Odour           | Slight Isocyanate |
| Odour threshold | No Data Available |
| pH              | Not Applicable    |

|  |   |
|--|---|
| <b>Melting point/Freezing point</b>            | <i>Not Applicable</i>                                 |
| <b>Boiling point</b>                           | <i>No Data Available</i>                              |
| <b>Flash Point</b>                             | > 195 °C [Test Method: Closed Cup]                    |
| <b>Evaporation rate</b>                        | < 1 [Ref Std: ETHER=1]                                |
| <b>Flammability</b>                            | Not Applicable  |
| <b>Flammable Limits(LEL)</b>                   | <i>No Data Available</i>                              |
| <b>Flammable Limits(UEL)</b>                   | <i>No Data Available</i>                              |
| <b>Vapour Pressure</b>                         | 1.3 Pa [Details: @ 25 C for product]                  |
| <b>Relative Vapour Density</b>                 | < 1 [Ref Std: AIR=1]                                  |
| <b>Density</b>                                 | 1.3 kg/l  |
| <b>Relative density</b>                        | 1.288 [Ref Std: WATER=1]                              |
| <b>Water solubility</b>                        | <i>No Data Available</i>                              |
| <b>Solubility- non-water</b>                   | <i>No Data Available</i>                              |
| <b>Partition coefficient: n-octanol/ water</b> | <i>No Data Available</i>                              |
| <b>Autoignition temperature</b>                | <i>No Data Available</i>                              |
| <b>Decomposition temperature</b>               | <i>No Data Available</i>                              |
| <b>Kinematic Viscosity</b>                     | <i>No Data Available</i>                              |
| <b>Volatile Organic Compounds</b>              | 0 g/l [Test Method: calculated SCAQMD rule 443.1]     |
| <b>Volatile Organic Compounds</b>              | 0 % weight [Test Method: calculated per CARB title 2] |
| <b>Percent volatile</b>                        | 0 % weight  |
| <b>VOC Less H2O &amp; Exempt Solvents</b>      | 0 g/l [Test Method: calculated SCAQMD rule 443.1]     |

|                                 |                       |
|---------------------------------|-----------------------|
| <b>Particle Characteristics</b> | <i>Not Applicable</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 may occur.

### 10.4. Conditions to avoid

Heat  
Sparks and/or flames

### 10.5. Incompatible materials

Strong acids  
Strong bases  
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. Allergic Respiratory Reaction: Signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest. 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:

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:

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

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

##### Carcinogenicity:

| Ingredient                               | CAS No.    | Class Description              | Regulation                                  |
|--|------------|--------------------------------|---|
| Talc-based body powder (perineal use of) | 14807-96-6 | Grp. 2B: Possible human carc.  | International Agency for Research on Cancer |
| Talc containing asbestiform fibres       | 14807-96-6 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |

##### Additional Information:

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

#### 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                | Inhalation-Dust/Mist(4 hr) |         | No data available; calculated ATE >12.5 mg/l   |
| Overall product                | Ingestion                  |         | No data available; calculated ATE >5,000 mg/kg |
| Methylene Phenylene Isocyanate | Dermal                     | Rabbit  | LD50 > 5,000 mg/kg                             |
| Methylene Phenylene Isocyanate | Inhalation-Dust/Mist       | Rat     | LC50 0.368 mg/l                                |

|  |                                |        |                                    |
|--|--------------------------------|--------|------------------------------------|
|  | (4 hours)                      |        |                                    |
| Methylene Phenylene Isocyanate           | Ingestion                      | Rat    | LD50 31,600 mg/kg                  |
| Urethane Prepolymer                      | Dermal                         |        | LD50 estimated to be > 5,000 mg/kg |
| Urethane Prepolymer                      | Ingestion                      | Rat    | LD50 > 5,000 mg/kg                 |
| 4,4'-Diisocyanatodiphenylmethane Polymer | Dermal                         | Rabbit | LD50 > 5,000 mg/kg                 |
| 4,4'-Diisocyanatodiphenylmethane Polymer | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 0.368 mg/l                    |
| 4,4'-Diisocyanatodiphenylmethane Polymer | Ingestion                      | Rat    | LD50 31,600 mg/kg                  |
| Aluminum Silicate                        | Dermal                         | Rabbit | LD50 > 2,000 mg/kg                 |
| Aluminum Silicate                        | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 4.57 mg/l                   |
| Aluminum Silicate                        | Ingestion                      | Rat    | LD50 > 5,000 mg/kg                 |
| Talc                                     | Dermal                         |        | LD50 estimated to be > 5,000 mg/kg |
| Talc                                     | Ingestion                      |        | LD50 estimated to be > 5,000 mg/kg |
| Thickening Agent                         | Dermal                         | Rabbit | LD50 > 5,000 mg/kg                 |
| Thickening Agent                         | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 0.691 mg/l                  |
| Thickening Agent                         | Ingestion                      | Rat    | LD50 > 5,110 mg/kg                 |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name                                     | Species                 | Value                     |
|--|-------------------------|---------------------------|
| Methylene Phenylene Isocyanate           | official classification | Irritant                  |
| 4,4'-Diisocyanatodiphenylmethane Polymer | official classification | Irritant                  |
| Aluminum Silicate                        | Rabbit                  | No significant irritation |
| Talc                                     | Rabbit                  | No significant irritation |
| Thickening Agent                         | Rabbit                  | No significant irritation |

### Serious Eye Damage/Irritation

| Name                                     | Species                 | Value                     |
|--|-------------------------|---------------------------|
| Methylene Phenylene Isocyanate           | official classification | Severe irritant           |
| 4,4'-Diisocyanatodiphenylmethane Polymer | official classification | Severe irritant           |
| Aluminum Silicate                        | Rabbit                  | Mild irritant             |
| Talc                                     | Rabbit                  | No significant irritation |
| Thickening Agent                         | Rabbit                  | No significant irritation |

### Skin Sensitization

| Name                                     | Species          | Value          |
|--|------------------|----------------|
| Methylene Phenylene Isocyanate           | Mouse            | Sensitizing    |
| 4,4'-Diisocyanatodiphenylmethane Polymer | Mouse            | Sensitizing    |
| Thickening Agent                         | Human and animal | Not classified |

### Respiratory Sensitization

| Name                                     | Species | Value          |
|--|---------|----------------|
| Methylene Phenylene Isocyanate           | Human   | Sensitizing    |
| 4,4'-Diisocyanatodiphenylmethane Polymer | Human   | Sensitizing    |
| Talc                                     | Human   | Not classified |

**Germ Cell Mutagenicity**

| Name                                     | Route    | Value  |
|--|----------|--|
| Methylene Phenylene Isocyanate           | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| 4,4'-Diisocyanatodiphenylmethane Polymer | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Talc                                     | In Vitro | Not mutagenic  |
| Talc                                     | In vivo  | Not mutagenic  |
| Thickening Agent                         | In Vitro | Not mutagenic  |

**Carcinogenicity**

| Name                                     | Route         | Species | Value  |
|--|---------------|---------|--|
| Methylene Phenylene Isocyanate           | Inhalation    | Rat     | Some positive data exist, but the data are not sufficient for classification |
| 4,4'-Diisocyanatodiphenylmethane Polymer | Inhalation    | Rat     | Some positive data exist, but the data are not sufficient for classification |
| Talc                                     | Inhalation    | Rat     | Some positive data exist, but the data are not sufficient for classification |
| Thickening Agent                         | 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    |
|--|------------|--|---------|-----------------------|----------------------|
| Methylene Phenylene Isocyanate           | Inhalation | Not classified for development         | Rat     | NOAEL 0.004 mg/l      | during organogenesis |
| 4,4'-Diisocyanatodiphenylmethane Polymer | Inhalation | Not classified for development         | Rat     | NOAEL 0.004 mg/l      | during organogenesis |
| Talc                                     | Ingestion  | Not classified for development         | Rat     | NOAEL 1,600 mg/kg     | during organogenesis |
| Thickening Agent                         | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 509 mg/kg/day   | 1 generation         |
| Thickening Agent                         | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 497 mg/kg/day   | 1 generation         |
| Thickening Agent                         | Ingestion  | Not classified for development         | Rat     | NOAEL 1,350 mg/kg/day | during organogenesis |

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

| Name                                     | Route      | Target Organ(s)        | Value                            | Species                 | Test result         | Exposure Duration |
|--|------------|------------------------|----------------------------------|-------------------------|---------------------|-------------------|
| Methylene Phenylene Isocyanate           | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available |                   |
| 4,4'-Diisocyanatodiphenylmethane Polymer | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available |                   |

**Specific Target Organ Toxicity - repeated exposure**

| Name                           | Route      | Target Organ(s)    | Value  | Species | Test result      | Exposure Duration |
|--------------------------------|------------|--------------------|--|---------|------------------|-------------------|
| Methylene Phenylene Isocyanate | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat     | LOAEL 0.004 mg/l | 13 weeks          |
| 4,4'-                          | Inhalation | respiratory system | Causes damage to organs through                                | Rat     | LOAEL            | 13 weeks          |

|                                     |            |   |  |       |                     |                       |
|-------------------------------------|------------|---|--|-------|---------------------|-----------------------|
| Diisocyanatodiphenylmethane Polymer |            |   | prolonged or repeated exposure                                 |       | 0.004 mg/l          |                       |
| Talc                                | Inhalation | pneumoconiosis                          | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |
| Talc                                | Inhalation | pulmonary fibrosis   respiratory system | Not classified   | Rat   | NOAEL 18 mg/m3      | 113 weeks             |
| Thickening Agent                    | Inhalation | respiratory system   silicosis          | Not classified   | Human | NOAEL Not available | occupational exposure |

**Aspiration Hazard**

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

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

**SECTION 12: Ecological information**

No data available.

**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 uncured product 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. Safety, health and environmental regulations/legislation specific for the substance or mixture****Global inventory status**

Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Industrial Safety and Health Law. Certain restrictions may apply. Contact the selling division for additional information. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. 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.

**SECTION 16: Other information**

**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.**

**Health:** 2 **Flammability:** 1 **Instability:** 1 **Special Hazards:** Reacts with Water

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.

|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
| <b>Document group:</b> | 26-5887-0  | <b>Version number:</b>  | 18.00      |
| <b>Issue Date:</b>     | 2025/08/14 | <b>Supersedes Date:</b> | 2023/04/27 |

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**3M Canada SDSs are available at [www.3M.ca](http://www.3M.ca)**



## Safety Data Sheet

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|------------------------|------------|-------------------------|------------|
| <b>Document group:</b> | 26-7812-6  | <b>Version number:</b>  | 6.00       |
| <b>Issue Date:</b>     | 2025/08/21 | <b>Supersedes Date:</b> | 2020/10/21 |

This Safety Data Sheet has been prepared in accordance with the Canadian Hazardous Products Regulations.

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ SMC/Fiberglass Repair Adhesive-3 PN 08271 Part B

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

##### Intended Use

Automotive

##### Specific Use

Body and Structural Repair

##### Restrictions on use

Not applicable

#### 1.3. Supplier's details

|                   |  |
|-------------------|--|
| <b>Company:</b>   | 3M Canada Company  |
| <b>Division:</b>  | Automotive Aftermarket   |
| <b>Address:</b>   | 1840 Oxford Street East, Post Office Box 5757, London, Ontario N6A 4T1 |
| <b>Telephone:</b> | (800) 364-3577   |
| <b>Website:</b>   | www.3M.ca  |

#### 1.4. Emergency telephone number

Medical Emergency Telephone: 1-800-3M HELPS / 1800 364 3577

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

Carcinogenicity: Category 1A.

Reproductive Toxicity: Category 2.

Specific Target Organ Toxicity (repeated exposure): Category 1.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Health Hazard |

**Pictograms****Hazard Statements**

May cause cancer. Suspected of damaging fertility or the unborn child.

Causes 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 vapours. Wash exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves and respiratory protection.

**Response:**

IF exposed or concerned: Get medical attention. Get medical attention if you feel unwell.

**Storage:**

Store locked up.

**Disposal:**

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

**2.3. Other hazards**

None known.

7% of the mixture consists of ingredients of unknown acute oral toxicity.

5% of the mixture consists of ingredients of unknown acute dermal toxicity.

## SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient          | C.A.S. No.   | % by Wt                        | Common Name   |
|---------------------|--------------|--------------------------------|---|
| Polyether Polyol    | Trade Secret | 30 - 60                        | Not Applicable  |
| Polyol              | Trade Secret | 10 - 30                        | Not Applicable  |
| Talc                | 14807-96-6   | 10 - 30 Trade Secret *         | Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )                                     |
| Urethane Prepolymer | Trade Secret | 3 - 7                          | Not Applicable  |
| Clay                | 71011-24-0   | 1 - 5                          | Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite |
| Piperazine          | 110-85-0     | 0.1 - 1 Trade Secret *         | Piperazine  |
| Quartz Silica       | 14808-60-7   | 0.0202 - 0.2869 Trade Secret * | Quartz (SiO <sub>2</sub> )  |

Polyether Polyol is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade

secret.

Urethane Prepolymer is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade secret.

Polyol is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade secret.

\*The concentration (exact or range) of this component has been withheld as a trade secret.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation:

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

#### Skin Contact:

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

#### Eye Contact:

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

#### If Swallowed:

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

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

Target organ effects following prolonged or repeated exposure. See Section 11 for additional details.

### 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. Unsuitable extinguishing media

None Determined

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

None inherent in this product.

### Hazardous Decomposition or By-Products

| <u>Substance</u>   | <u>Condition</u>  |
|--------------------|-------------------|
| Hydrocarbons       | During Combustion |
| Carbon monoxide    | During Combustion |
| Carbon dioxide     | During Combustion |
| Oxides of Nitrogen | During Combustion |

### 5.4. Special protection actions for fire-fighters

Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA). 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

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. Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice.

## 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

Contain spill. 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.

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

For industrial or professional use only. Not for consumer sale or use. Do not use in a confined area with minimal air exchange. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/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. 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 strong bases. Store away from oxidizing agents. Store locked up.

# 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           |
|---|------------|--------|---|-------------------------------|
| Piperazine  | 110-85-0   | ACGIH  | TWA(as piperazine, inhalable fraction & vapor):0.03 ppm | Dermal/Respiratory Sensitizer |
| Talc  | 14807-96-6 | ACGIH  | TWA(respirable fraction):2 mg/m3                        |                               |
| SILICA, CRYSTALLINE (AIRBORNE PARTICLES OF RESPIRABLE SIZE) | 14808-60-7 | ACGIH  | TWA(respirable fraction):0.025 mg/m3                    |                               |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

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/vapours/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.

Gloves made from the following material(s) are recommended: Butyl Rubber, Neoprene, Nitrile Rubber

#### 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 vapours 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

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| <b>Physical state</b>               | Liquid                               |
| <b>Specific Physical Form:</b>      | Viscous                              |
| <b>Colour</b>                       | Dark Green                           |
| <b>Odour</b>                        | Slight Ammoniacal                    |
| <b>Odour threshold</b>              | No Data Available                    |
| <b>pH</b>                           | Not Applicable                       |
| <b>Melting point/Freezing point</b> | Not Applicable                       |
| <b>Boiling point</b>                | No Data Available                    |
| <b>Flash Point</b>                  | > 171.1 °C [Test Method: Closed Cup] |
| <b>Evaporation rate</b>             | < 1 [Ref Std: ETHER=1]               |
| <b>Flammability</b>                 | Not Applicable                       |
| <b>Flammable Limits(LEL)</b>        | No Data Available                    |
| <b>Flammable Limits(UEL)</b>        | No Data Available                    |
| <b>Vapour Pressure</b>              | <= 13.3 Pa                           |
| <b>Relative Vapour Density</b>      | >= 1 [Ref Std: AIR=1]                |
| <b>Density</b>                      | 1.2 g/ml                             |

|   |  |
|---|--|
| Relative density                        | 1 - 1.2 [Ref Std: WATER=1]                             |
| Water solubility                        | No Data Available                                      |
| Solubility- non-water                   | Negligible %   |
| Partition coefficient: n-octanol/ water | No Data Available                                      |
| Autoignition temperature                | No Data Available                                      |
| Decomposition temperature               | No Data Available                                      |
| Kinematic Viscosity                     | No Data Available                                      |
| Volatile Organic Compounds              | 5 g/l [Test Method:calculated SCAQMD rule 443.1]       |
| Volatile Organic Compounds              | 0.2 % weight [Test Method:calculated per CARB title 2] |
| Percent volatile                        | 0.39 % weight  |
| VOC Less H2O & Exempt Solvents          | 5 g/l [Test Method:calculated SCAQMD rule 443.1]       |

|                          |                |
|--------------------------|----------------|
| Particle Characteristics | Not Applicable |
|--------------------------|----------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

High shear and high temperature conditions

### 10.5. Incompatible materials

Strong acids

Strong bases

Strong oxidizing agents

Alcohols

### 10.6. Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| Aldehydes        | Not Specified    |
| Hydrogen Cyanide | Not Specified    |

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:**

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

**Eye Contact:**

Vapours released during curing may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy 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:**

Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

**Reproductive/Developmental Toxicity:**

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

**Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

| <b><u>Ingredient</u></b>  | <b><u>CAS No.</u></b> | <b><u>Class Description</u></b> | <b><u>Regulation</u></b>                    |
|---|-----------------------|---------------------------------|---|
| Silica, Crystalline (Respirable Size)                           | 14808-60-7            | Known To Be Human Carcinogen.   | National Toxicology Program 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 |

**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**

| <b><u>Name</u></b> | <b><u>Route</u></b>            | <b><u>Species</u></b> | <b><u>Value</u></b>                            |
|--------------------|--------------------------------|-----------------------|--|
| Overall product    | Dermal                         |                       | No data available; calculated ATE >5,000 mg/kg |
| Overall product    | Ingestion                      |                       | No data available; calculated ATE >5,000 mg/kg |
| Polyether Polyol   | Dermal                         | Rat                   | LD50 > 2,000 mg/kg                             |
| Polyether Polyol   | Inhalation-Dust/Mist (4 hours) | Rat                   | LC50 > 50 mg/l                                 |
| Polyether Polyol   | Ingestion                      | Rat                   | LD50 4,600 mg/kg                               |
| Talc               | Dermal                         |                       | LD50 estimated to be > 5,000 mg/kg             |
| Talc               | Ingestion                      |                       | LD50 estimated to be > 5,000 mg/kg             |
| Polyol             | Dermal                         | similar compounds     | LD50 > 2,000 mg/kg                             |
| Polyol             | Inhalation-Dust/Mist (4 hours) | similar compounds     | LC50 > 3.2 mg/l                                |
| Polyol             | Ingestion                      | similar compounds     | LD50 > 5,000 mg/kg                             |
| Piperazine         | Ingestion                      | Rat                   | LD50 2,300 mg/kg                               |
| Quartz Silica      | Dermal                         |                       | LD50 estimated to be > 5,000 mg/kg             |

|               |           |  |                                    |
|---------------|-----------|--|------------------------------------|
| Quartz Silica | Ingestion |  | LD50 estimated to be > 5,000 mg/kg |
|---------------|-----------|--|------------------------------------|

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name             | Species                | Value                     |
|------------------|------------------------|---------------------------|
| Polyether Polyol | Rabbit                 | No significant irritation |
| Talc             | Rabbit                 | No significant irritation |
| Polyol           | similar compounds      | Minimal irritation        |
| Piperazine       | Rabbit                 | Corrosive                 |
| Quartz Silica    | Professional judgement | No significant irritation |

**Serious Eye Damage/Irritation**

| Name             | Species                | Value                     |
|------------------|------------------------|---------------------------|
| Polyether Polyol | Rabbit                 | Mild irritant             |
| Talc             | Rabbit                 | No significant irritation |
| Polyol           | similar compounds      | Mild irritant             |
| Piperazine       | similar health hazards | Corrosive                 |

**Skin Sensitization**

| Name       | Species           | Value          |
|------------|-------------------|----------------|
| Polyol     | similar compounds | Not classified |
| Piperazine | Human and animal  | Sensitizing    |

**Respiratory Sensitization**

| Name       | Species | Value          |
|------------|---------|----------------|
| Talc       | Human   | Not classified |
| Piperazine | Human   | Sensitizing    |

**Germ Cell Mutagenicity**

| Name          | Route    | Value  |
|---------------|----------|--|
| Talc          | In Vitro | Not mutagenic  |
| Talc          | In vivo  | Not mutagenic  |
| Polyol        | In Vitro | Not mutagenic  |
| Piperazine    | In vivo  | Not mutagenic  |
| Piperazine    | 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 |

**Carcinogenicity**

| Name | Route      | Species | Value  |
|------|------------|---------|--|
| Talc | Inhalation | Rat     | Some positive data exist, but the data are not sufficient for classification |

|               |            |                  |              |
|---------------|------------|------------------|--------------|
| Quartz Silica | Inhalation | Human and animal | Carcinogenic |
|---------------|------------|------------------|--------------|

## Reproductive Toxicity

### Reproductive and/or Developmental Effects

| Name       | Route     | Value                          | Species | Test result         | Exposure Duration    |
|------------|-----------|--------------------------------|---------|---------------------|----------------------|
| Talc       | Ingestion | Not classified for development | Rat     | NOAEL 1,600 mg/kg   | during organogenesis |
| Piperazine | Ingestion | Toxic to female reproduction   | Rat     | NOAEL 125 mg/kg/day | 2 generation         |
| Piperazine | Ingestion | Toxic to male reproduction     | Rat     | NOAEL 125 mg/kg/day | 2 generation         |
| Piperazine | Ingestion | Toxic to development           | Rabbit  | NOAEL 94 mg/kg/day  | during organogenesis |

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure

| Name       | Route      | Target Organ(s)        | Value  | Species                | Test result         | Exposure Duration |
|------------|------------|------------------------|--|------------------------|---------------------|-------------------|
| Piperazine | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL not available |                   |
| Piperazine | Ingestion  | nervous system         | Causes damage to organs  | Human and animal       | NOAEL not available | therapeutic use   |

### Specific Target Organ Toxicity - repeated exposure

| Name          | Route      | Target Organ(s)                                     | Value  | Species | Test result           | Exposure Duration     |
|---------------|------------|---|--|---------|-----------------------|-----------------------|
| Talc          | Inhalation | pneumoconiosis                                      | Causes damage to organs through prolonged or repeated exposure | Human   | NOAEL Not available   | occupational exposure |
| Talc          | Inhalation | pulmonary fibrosis   respiratory system             | Not classified   | Rat     | NOAEL 18 mg/m3        | 113 weeks             |
| Piperazine    | Ingestion  | hematopoietic system   eyes   kidney and/or bladder | Not classified   | Rat     | NOAEL 1,250 mg/kg/day | 90 days               |
| Quartz Silica | Inhalation | silicosis   | Causes damage to organs through prolonged or repeated exposure | Human   | NOAEL Not available   | occupational exposure |

## Aspiration Hazard

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

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

## SECTION 12: Ecological information

No data available.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

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

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product 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. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Global inventory status

Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. 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.

## SECTION 16: Other information

**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.**

**Health: 1 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.

|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
| <b>Document group:</b> | 26-7812-6  | <b>Version number:</b>  | 6.00       |
| <b>Issue Date:</b>     | 2025/08/21 | <b>Supersedes Date:</b> | 2020/10/21 |

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3M Canada SDSs are available at [www.3M.ca](http://www.3M.ca)