



## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Cream Hardener (Red, White & Blue)

#### Product Identification Numbers

LB-K100-0965-7, LB-K100-0965-8, LB-K100-0965-9, LB-K100-0966-0, LB-K100-0966-1, LB-K100-0966-2, LB-K100-0966-3, LB-K100-1035-6, LB-K100-1045-4, LB-K100-1286-7, 41-0003-6674-4, 41-0003-6682-7, 41-0003-6685-0, 41-0003-6686-8, 41-0003-6687-6, 41-0003-7901-0, 41-0003-7903-6, 41-0003-7904-4, 41-0003-7922-6, 41-0003-7928-3, 41-0003-7930-9, 41-0003-7931-7, 41-0003-7932-5, 41-0003-7933-3, 41-0003-7935-8, 41-0003-7987-9, 41-0003-8059-6, 41-0003-8072-9, 41-0003-8073-7, 41-0003-8074-5, 41-0003-8146-1, 60-4550-6617-9, 60-4550-6830-8, 60-4550-6981-9, 60-4550-6982-7, 60-4550-8123-6, 60-4551-0388-1  
7000120090, 7010327931, 7000120133, 7100191003

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

##### Recommended use

Automotive, hardener for body fillers & glazes

#### 1.3. Supplier's details

**MANUFACTURER:** 3M  
**DIVISION:** Automotive Aftermarket  
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000, USA  
**Telephone:** 1-888-3M HELPS (1-888-364-3577)

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazard identification

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

Organic Peroxide: Type E.

Serious Eye Damage/Irritation: Category 2A.

Skin Sensitizer: Category 1B.

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

#### 2.2. Label elements

**Signal word**

Danger

**Symbols**

Flame | Exclamation mark | Health Hazard |

**Pictograms****Hazard Statements**

Heating may cause a fire.

Causes serious eye irritation.

May cause an allergic skin reaction.

Causes damage to organs:

cardiovascular system |

nervous system |

kidney/urinary tract |

respiratory system |

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

Keep out of reach of children.

**Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep away from clothing and other combustible materials.

Keep only in original container.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wear protective gloves and eye/face protection.

Do not eat, drink or smoke when using this product.

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

**Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

IF exposed: Call a POISON CENTER or doctor/physician.

Specific treatment (see Notes to Physician on this label).

**Storage:**

Protect from sunlight.

Store at temperatures not exceeding 32C/90F. Keep cool.

Store locked up.

Store away from other materials.

**Disposal:**

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

**Notes to Physician:**

This product contains ethylene glycol. If there is reasonable suspicion of ethylene glycol poisoning, intravenous (IV) administration with either fomepizole (preferred) or ethanol (if fomepizole is unavailable) should be considered as part of the medical management.

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

| <b>Ingredient</b>                                    | <b>C.A.S. No.</b> | <b>% by Wt</b>         |
|------------------------------------------------------|-------------------|------------------------|
| Benzoyl Peroxide                                     | 94-36-0           | 30 - 60 Trade Secret * |
| Benzoic Acid, C9-11-Branched Alkyl Esters            | 131298-44-7       | 10 - 30 Trade Secret * |
| Water                                                | 7732-18-5         | 10 - 30 Trade Secret * |
| Calcium Sulfate                                      | 7778-18-9         | 1 - 10 Trade Secret *  |
| Zinc Stearate                                        | 557-05-1          | 1 - 10 Trade Secret *  |
| Ethylene Glycol                                      | 107-21-1          | <= 7.5 Trade Secret *  |
| Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )         | 1309-37-1         | <= 5 Trade Secret *    |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | 9038-95-3         | <= 5 Trade Secret *    |
| Ferric Ammonium Ferrocyanide                         | 25869-00-5        | <= 1 Trade Secret *    |
| Ferric Ferrocyanide                                  | 14038-43-8        | <= 1 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:**

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**

Allergic skin reaction (redness, swelling, blistering, and itching). Target organ effects. See Section 11 for additional details.

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

This product contains ethylene glycol. If there is reasonable suspicion of ethylene glycol poisoning, intravenous (IV) administration with either fomepizole (preferred) or ethanol (if fomepizole is unavailable) should be considered as part of the medical management.

**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**

Closed containers exposed to heat from fire may build pressure and explode. Part of the oxygen for combustion is supplied by the peroxide itself.

### 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. Eliminate all ignition sources if safe to do so. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. 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. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. 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

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Do not use in a confined area with minimal air exchange. Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse.

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

Keep container tightly closed. Protect from sunlight. Store away from heat. Store at temperatures not exceeding 32C/90F. Keep cool. Keep only in original container. Store away from other materials. Keep/store away from clothing and other combustible materials.

## 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            |
|--------------------|------------|--------|-----------------------------------------------------------------------------------------|--------------------------------|
| Ethylene Glycol    | 107-21-1   | ACGIH  | TWA(Vapor fraction):25 ppm;STEL(Vapor fraction):50 ppm;STEL(Inhalable aerosol):10 mg/m3 | A4: Not class. as human carcin |
| Iron Oxide (FE2O3) | 1309-37-1  | ACGIH  | TWA(respirable fraction):5 mg/m3                                                        | A4: Not class. as human carcin |

|                                              |            |       |                                                                                       |                                |
|----------------------------------------------|------------|-------|---------------------------------------------------------------------------------------|--------------------------------|
| Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) | 1309-37-1  | OSHA  | TWA(as fume):10 mg/m <sup>3</sup>                                                     |                                |
| CYANIDES                                     | 14038-43-8 | OSHA  | TWA(as CN):5 mg/m <sup>3</sup>                                                        | SKIN                           |
| Zinc Stearate                                | 557-05-1   | OSHA  | TWA(as total dust):15 mg/m <sup>3</sup> ;TWA(respirable fraction):5 mg/m <sup>3</sup> |                                |
| Calcium Sulfate                              | 7778-18-9  | ACGIH | TWA(inhalable fraction):10 mg/m <sup>3</sup>                                          |                                |
| Calcium Sulfate                              | 7778-18-9  | OSHA  | TWA(as total dust):15 mg/m <sup>3</sup> ;TWA(respirable fraction):5 mg/m <sup>3</sup> |                                |
| Benzoyl Peroxide                             | 94-36-0    | ACGIH | TWA:5 mg/m <sup>3</sup>                                                               | A4: Not class. as human carcin |
| Benzoyl Peroxide                             | 94-36-0    | OSHA  | TWA:5 mg/m <sup>3</sup>                                                               |                                |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

## 8.2. Exposure controls

### 8.2.1. Engineering controls

Provide ventilation adequate to maintain dust concentration below minimum explosive concentrations. 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: Polymer laminate

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

#### Respiratory protection

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

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

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

## SECTION 9: Physical and chemical properties

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

#### Appearance

Physical state

Solid

Color

Red

Specific Physical Form:

Paste

Odor

Slight Ester

Odor threshold

No Data Available

pH

No Data Available

Melting point

No Data Available

Boiling Point

No Data Available

Flash Point

111 °C [Test Method:Estimated]

Evaporation rate

No Data Available

Flammability (solid, gas)

Organic Peroxide: Type E.

Flammable Limits(LEL)

Not Applicable

Flammable Limits(UEL)

Not Applicable

Vapor Pressure

Not Applicable

Vapor Density

Not Applicable

Density

1.2 g/cm3

Specific Gravity

1.2 [ @ 25 °C ] [Ref Std:WATER=1]

Solubility in Water

Negligible

Solubility- non-water

No Data Available

Partition coefficient: n-octanol/ water

No Data Available

Autoignition temperature

No Data Available

Decomposition temperature

No Data Available

Viscosity

No Data Available

Hazardous Air Pollutants

0 - 0.1209 lb HAPS/lb solids [Test Method:Calculated]

Molecular weight

Not Applicable

Volatile Organic Compounds

0 - 90 g/l [Test Method:calculated SCAQMD rule 443.1]

Volatile Organic Compounds

0 % weight [Test Method:calculated per CARB title 2]

Percent volatile

21 - 28.5 %

VOC Less H2O &amp; Exempt Solvents

0 - 121 g/l [Test Method:calculated SCAQMD rule 443.1]

## 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. Stable unless exposed to heat, flames and drying conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Heat

### 10.5. Incompatible materials

Accelerators

### 10.6. Hazardous decomposition products

#### Substance

Carbon monoxide

#### Condition

Not Specified

Carbon dioxide  
Toxic Vapor, Gas, Particulate

Not Specified  
Not Specified

## SECTION 11: Toxicological information

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

### 11.1. Information on Toxicological effects

#### Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

##### Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

##### Skin Contact:

May be harmful in contact with skin.

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.

May cause additional health effects (see below).

#### Additional Health Effects:

##### Single exposure may cause target organ effects:

Cardiac Effects: Signs/symptoms may include irregular heartbeat (arrhythmia), changes in heart rate, damage to heart muscle, heart attack, and may be fatal.

Neurological Effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and/or changes in blood pressure and heart rate.

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

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

#### 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 >2,000 - ≤5,000 mg/kg |
| 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          |
| Benzoyl Peroxide                                     | Dermal                         |                        | LD50 estimated to be 2,000 - 5,000 mg/kg                |
| Benzoyl Peroxide                                     | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 24.3 mg/l                                        |
| Benzoyl Peroxide                                     | Ingestion                      | Rat                    | LD50 > 5,000 mg/kg                                      |
| Benzoic Acid, C9-11-Branched Alkyl Esters            | Dermal                         | Rabbit                 | LD50 > 2,000 mg/kg                                      |
| Benzoic Acid, C9-11-Branched Alkyl Esters            | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 5 mg/l                                           |
| Benzoic Acid, C9-11-Branched Alkyl Esters            | Ingestion                      | Rat                    | LD50 > 5,000 mg/kg                                      |
| Calcium Sulfate                                      | Dermal                         | Professional judgement | LD50 estimated to be > 5,000 mg/kg                      |
| Calcium Sulfate                                      | Ingestion                      | Rat                    | LD50 > 5,000 mg/kg                                      |
| Zinc Stearate                                        | Dermal                         | Rabbit                 | LD50 > 2,000 mg/kg                                      |
| Zinc Stearate                                        | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 50 mg/l                                          |
| Zinc Stearate                                        | Ingestion                      | Rat                    | LD50 > 5,000 mg/kg                                      |
| Ethylene Glycol                                      | Ingestion                      | Human                  | LD50 1,600 mg/kg                                        |
| Ethylene Glycol                                      | Inhalation-Dust/Mist (4 hours) | Other                  | LC50 estimated to be 5 - 12.5 mg/l                      |
| Ethylene Glycol                                      | Dermal                         | Rabbit                 | 9,530 mg/kg                                             |
| Iron Oxide (FE2O3)                                   | Dermal                         | Not available          | LD50 3,100 mg/kg                                        |
| Iron Oxide (FE2O3)                                   | Ingestion                      | Not available          | LD50 3,700 mg/kg                                        |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Dermal                         | Rabbit                 | LD50 > 16,960 mg/kg                                     |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 5 mg/l                                           |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Ingestion                      | Rat                    | LD50 4,240 mg/kg                                        |
| Ferric Ammonium Ferrocyanide                         | Dermal                         |                        | LD50 estimated to be > 5,000 mg/kg                      |
| Ferric Ferrocyanide                                  | Dermal                         |                        | LD50 estimated to be > 5,000 mg/kg                      |
| Ferric Ammonium Ferrocyanide                         | Ingestion                      | Rat                    | LD50 > 5,110 mg/kg                                      |
| Ferric Ferrocyanide                                  | Ingestion                      | Rat                    | LD50 > 8,000 mg/kg                                      |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name                                                 | Species | Value                     |
|------------------------------------------------------|---------|---------------------------|
| Benzoyl Peroxide                                     | Rabbit  | Minimal irritation        |
| Zinc Stearate                                        | Rabbit  | No significant irritation |
| Ethylene Glycol                                      | Rabbit  | Minimal irritation        |
| Iron Oxide (FE2O3)                                   | Rabbit  | No significant irritation |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Rabbit  | Minimal irritation        |

### Serious Eye Damage/Irritation

| Name                                                 | Species | Value                     |
|------------------------------------------------------|---------|---------------------------|
| Benzoyl Peroxide                                     | Rabbit  | Severe irritant           |
| Zinc Stearate                                        | Rabbit  | No significant irritation |
| Ethylene Glycol                                      | Rabbit  | Mild irritant             |
| Iron Oxide (FE2O3)                                   | Rabbit  | No significant irritation |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Rabbit  | No significant irritation |

**Skin Sensitization**

| Name               | Species    | Value          |
|--------------------|------------|----------------|
| Benzoyl Peroxide   | Guinea pig | Sensitizing    |
| Ethylene Glycol    | Human      | Not classified |
| Iron Oxide (FE2O3) | Human      | Not classified |

**Respiratory Sensitization**

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

**Germ Cell Mutagenicity**

| Name               | Route    | Value         |
|--------------------|----------|---------------|
| Benzoyl Peroxide   | In Vitro | Not mutagenic |
| Benzoyl Peroxide   | In vivo  | Not mutagenic |
| Ethylene Glycol    | In Vitro | Not mutagenic |
| Ethylene Glycol    | In vivo  | Not mutagenic |
| Iron Oxide (FE2O3) | In Vitro | Not mutagenic |

**Carcinogenicity**

| Name                                                 | Route      | Species                 | Value                                                                        |
|------------------------------------------------------|------------|-------------------------|------------------------------------------------------------------------------|
| Benzoyl Peroxide                                     | Ingestion  | Multiple animal species | Not carcinogenic                                                             |
| Benzoyl Peroxide                                     | Dermal     | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| Ethylene Glycol                                      | Ingestion  | Multiple animal species | Not carcinogenic                                                             |
| Iron Oxide (FE2O3)                                   | Inhalation | Human                   | Some positive data exist, but the data are not sufficient for classification |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Ingestion  | Rat                     | Not carcinogenic                                                             |

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

| Name                                                 | Route      | Value                                  | Species | Test Result           | Exposure Duration            |
|------------------------------------------------------|------------|----------------------------------------|---------|-----------------------|------------------------------|
| Benzoyl Peroxide                                     | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 1,000 mg/kg/day | premating & during gestation |
| Benzoyl Peroxide                                     | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 500 mg/kg/day   | premating & during gestation |
| Benzoyl Peroxide                                     | Ingestion  | Not classified for development         | Rat     | NOAEL 500 mg/kg/day   | premating & during gestation |
| Ethylene Glycol                                      | Dermal     | Not classified for development         | Mouse   | NOAEL 3,549 mg/kg/day | during organogenesis         |
| Ethylene Glycol                                      | Ingestion  | Not classified for development         | Mouse   | LOAEL 750 mg/kg/day   | during organogenesis         |
| Ethylene Glycol                                      | Inhalation | Not classified for development         | Mouse   | NOAEL 1,000 mg/kg/day | during organogenesis         |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Inhalation | Not classified for male reproduction   | Rat     | NOAEL 1 mg/l          | 2 weeks                      |

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

| Name                                                 | Route     | Target Organ(s)                                                     | Value                             | Species | Test Result         | Exposure Duration      |
|------------------------------------------------------|-----------|---------------------------------------------------------------------|-----------------------------------|---------|---------------------|------------------------|
| Ethylene Glycol                                      | Ingestion | heart   nervous system   kidney and/or bladder   respiratory system | Causes damage to organs           | Human   | NOAEL Not available | poisoning and/or abuse |
| Ethylene Glycol                                      | Ingestion | central nervous system depression                                   | May cause drowsiness or dizziness | Human   | NOAEL Not available | poisoning and/or abuse |
| Ethylene Glycol                                      | Ingestion | liver                                                               | Not classified                    | Human   | NOAEL Not available | poisoning and/or abuse |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Ingestion | nervous system                                                      | Not classified                    | Rat     | NOAEL Not available |                        |

**Specific Target Organ Toxicity - repeated exposure**

| Name                                                 | Route      | Target Organ(s)                                                                   | Value                                                                        | Species                 | Test Result            | Exposure Duration     |
|------------------------------------------------------|------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------|------------------------|-----------------------|
| Ethylene Glycol                                      | Ingestion  | kidney and/or bladder                                                             | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 200 mg/kg/day    | 2 years               |
| Ethylene Glycol                                      | Ingestion  | vascular system                                                                   | Not classified                                                               | Rat                     | NOAEL 200 mg/kg/day    | 2 years               |
| Ethylene Glycol                                      | Ingestion  | heart   hematopoietic system   liver   immune system   muscles                    | Not classified                                                               | Rat                     | NOAEL 1,000 mg/kg/day  | 2 years               |
| Ethylene Glycol                                      | Ingestion  | respiratory system                                                                | Not classified                                                               | Mouse                   | NOAEL 12,000 mg/kg/day | 2 years               |
| Ethylene Glycol                                      | Ingestion  | skin   endocrine system   bone, teeth, nails, and/or hair   nervous system   eyes | Not classified                                                               | Multiple animal species | NOAEL 1,000 mg/kg/day  | 2 years               |
| Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )         | Inhalation | pulmonary fibrosis   pneumoconiosis                                               | Not classified                                                               | Human                   | NOAEL Not available    | occupational exposure |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Inhalation | endocrine system   hematopoietic system   liver   nervous system                  | Not classified                                                               | Rat                     | NOAEL 1 mg/l           | 2 weeks               |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Inhalation | kidney and/or bladder                                                             | Not classified                                                               | Rat                     | NOAEL 0.005 mg/l       | 2 weeks               |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Inhalation | respiratory system                                                                | Not classified                                                               | Rat                     | LOAEL 0.001 mg/l       | 2 weeks               |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Inhalation | heart                                                                             | Not classified                                                               | Rat                     | NOAEL 0.5 mg/l         | 2 weeks               |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Ingestion  | liver   kidney and/or bladder                                                     | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 145 mg/kg/day    | 90 days               |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Ingestion  | hematopoietic system                                                              | Not classified                                                               | Rat                     | NOAEL 500 mg/kg/day    | 2 years               |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Ingestion  | heart   endocrine system   respiratory system                                     | Not classified                                                               | Rat                     | NOAEL 3,770 mg/kg/day  | 90 days               |

**Aspiration Hazard**

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

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

## SECTION 12: Ecological information

### Ecotoxicological information

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

### Chemical fate information

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

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

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

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

## 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

Organic peroxide

##### Health Hazards

Respiratory or Skin Sensitization

Serious eye damage or eye irritation

Specific target organ toxicity (single or repeated exposure)

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

| <u><b>Ingredient</b></u>       | <u><b>C.A.S. No</b></u> | <u><b>% by Wt</b></u> |
|--------------------------------|-------------------------|-----------------------|
| Ethylene Glycol                | 107-21-1                | Trade Secret <= 7.5   |
| Zinc Stearate (ZINC COMPOUNDS) | 557-05-1                | Trade Secret 1 - 10   |
| Benzoyl Peroxide               | 94-36-0                 | Trade Secret 30 - 60  |
| Ferric Ferrocyanide (CYANIDES) | 14038-43-8              | Trade Secret <= 1     |

### 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:** Oxidizer

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.

### HMIS Hazard Classification

**Health:** 4 **Flammability:** 1 **Physical Hazard:** 0 **Personal Protection:** X - See PPE section.

Hazardous Material Identification System (HMIS® IV) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® IV ratings are to be used with a fully implemented HMIS® IV program. HMIS® is a registered mark of the American Coatings Association (ACA).

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## Fiche santé sécurité

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Cette fiche de données de sécurité est conforme au Règlement sur les produits dangereux Canadiens.

## SECTION 1 : Identification

### 1.1 Identifiant du produit

Durcisseur en crème rouge NP 05830 3M(MC)

#### Numéros d'identification de produit

60-9800-2275-4 JC-1700-2976-6 XS-0414-1601-6

### 1.2 Utilisations recommandées et restrictions d'utilisation

#### Utilisation prévue

Produits automobiles

#### Utilisation spécifique

Catalyseur pour matériaux de remplissage pour carrosseries

#### Restrictions d'utilisation

Ne s'applique pas

### 1.3 Détails du fournisseur

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| <b>Compagnie:</b>  | Compagnie 3M Canada                                                |
| <b>Division:</b>   | Division Des Automobiles                                           |
| <b>Adresse :</b>   | 1840, rue d'Oxford Est, Case Postale 5757, London, Ontario N6A 4T1 |
| <b>Téléphone :</b> | (800) 364-3577                                                     |
| <b>Site Web :</b>  | www.3M.ca                                                          |

### 1.4 Numéro de téléphone d'urgence

Téléphone d'urgence medical:1-800-3M HELPS / 1-800-364-3577; Téléphone d'urgence de transport(CANUTEC):(613) 996-6666

## SECTION 2 : identification des dangers

### 2.1. Classification de la substance ou du mélange

Peroxyde organique : Type E.

Grave problème/Irritation oculaire : Catégorie 2A :

Sensibilisation cutanée: Catégorie 1B.

Toxicité pour certains organes cibles (exposition unique) Catégorie 1.

## **2.2. Éléments d'étiquette**

### **Terme d'avertissement**

Danger

### **Symboles :**

Flamme | Point d'exclamation | Risque pour la santé |

### **Pictogrammes**



### **Mentions de danger**

Risque de feu sous l'effet de la chaleur.

Provoque une irritation oculaire grave. Peut provoquer une réaction allergique cutanée.

Cause des dommages aux organes : système cardiovasculaire | système nerveux | rein/voie urinaire | système respiratoire |

### **Mises en garde**

#### **Renseignements généraux :**

Tenir hors de portée des enfants.

### **Prévention :**

Tenir à l'écart de la chaleur, des surfaces chaudes, des étincelles, des flammes nues et de toute autre source d'ignition. Ne pas fumer. Mettre à la terre/sceller le contenant et le matériel de réception. Conserver uniquement dans l'emballage d'origine. Ne pas respirer les poussières, fumées, brouillards, gaz, vapeurs ou émanations. Porter des gants et un dispositif de protection pour les yeux et le visage. Ne pas manger, boire ou fumer en utilisant le produit. Laver soigneusement la peau exposée après manipulation. Les vêtements de travail contaminés ne devraient pas sortir du lieu de travail.

### **Réponse:**

EN CAS DE CONTACT AVEC LES YEUX : Rincer prudemment avec de l'eau pendant plusieurs minutes. Retirer les verres de contact éventuels, si ceci peut être fait facilement. Continuer à rincer. Si l'irritation oculaire persiste : Consulter un médecin. EN CAS DE CONTACT AVEC LA PEAU : Laver avec beaucoup d'eau et de savon. En cas d'irritation ou d'éruption cutanée : Consulter un médecin. Enlever les vêtements contaminés et les laver avant de les utiliser à nouveau. EN CAS d'exposition prouvée ou suspectée: appeler un CENTRE ANTIPOISON ou un médecin. Traitement spécifique (consulter les remarques destinées au médecin sur cette étiquette). En cas de feu : Utiliser un agent extincteur adapté aux matériaux combustibles ordinaires comme l'eau ou la mousse pour l'extinction.

### **Entreposage :**

Protéger du rayonnement solaire. Entreposer dans un endroit bien ventilé. Stocker à une température ne dépassant pas 32°C. Tenir au frais. Garder sous clef. Entreposer séparément.

### **Élimination :**

Éliminer les contenus/contenants conformément aux règlements locaux, régionaux, nationaux et internationaux applicables.

### **Remarques destinées au médecin:**

Ce produit contient de l'éthylène glycol. En cas de doute raisonnable d'empoisonnement à l'éthylène glycol, l'administration par voie intraveineuse de fomépipzole (à privilégier) ou d'éthanol (si le fomépipzole n'est pas disponible) devrait être considérée dans le cadre du traitement médical.

## **2.3. Autres risques**

Aucun connu.

15% du mélange consiste en des ingrédients de toxicité par inhalation aiguë inconnue.

### **SECTION 3 : Composition/renseignements sur les ingrédients**

Ce matériau est un mélange.

| <b>Ingrédient</b>                                    | <b>Numéro CAS</b> | <b>% par poids</b>           | <b>Nom Commun</b>                                             |
|------------------------------------------------------|-------------------|------------------------------|---------------------------------------------------------------|
| Peroxyde de dibenzoyle                               | 94-36-0           | 30 - 60 Secret Fabrication * | Peroxyde, dibenzoyle                                          |
| Benzoate d'alkyles en C9-C11 ramifiés                | 131298-44-7       | 10 - 30                      | Benzoate de 2-éthyl-5-méthylhexyle                            |
| Eau                                                  | 7732-18-5         | 10 - 30                      | Eau                                                           |
| Sulfate de calcium                                   | 7778-18-9         | 1 - 10                       | Acide sulfurique, sel de calcium (1:1)                        |
| ETHYLENE GLYCOL                                      | 107-21-1          | <= 7.5                       | Éthylène glycol                                               |
| Distearate de zinc                                   | 557-05-1          | 2.5 - 7.5                    | acide octadécanoïque, sel de zinc                             |
| Oxyde de fer (Fe2O3)                                 | 1309-37-1         | 1 - 5                        | Oxyde de fer (Fe2O3)                                          |
| Ether butylique du polyéthylène-polypropylène glycol | 9038-95-3         | <= 5                         | Méthylloxirane polymérisé avec l'oxirane, Éther monobutylique |

\*La concentration réelle de cet ingrédient a été retenue comme un secret commercial.

### **SECTION 4 : Premiers soins**

#### **4.1. Description des premiers soins**

##### **Inhalation :**

Donner de l'air frais. En cas de malaise, consulter un médecin.

##### **Contact avec la peau :**

Laver immédiatement avec de l'eau et du savon. Retirer les vêtements contaminés et les laver avant de les porter de nouveau. Si des signes ou des symptômes apparaissent, consulter un médecin.

##### **En cas de contact avec les yeux :**

Rincer immédiatement et abondamment à l'eau. Retirer les lentilles cornéennes si cela est possible et continuer de rincer l'oeil. Consulter un médecin.

##### **En cas d'ingestion :**

Rincer la bouche. En cas de malaise, consulter un médecin.

#### **4.2. Principaux symptômes et effets, tant aigus que différés**

Réaction cutanée allergique (rougeur, gonflement, cloques et démangeaisons) Effets sur les organes cibles. Voir la section 11 pour plus de détails.

#### **4.3. Indication de la nécessité éventuelle d'une prise en charge médicale immédiate et d'un traitement spécial**

Ce produit contient de l'éthylène glycol. Les effets d'une intoxication orale à l'éthylène glycol peuvent être divisés en trois étapes qui se produisent généralement dans les heures ou les jours suivants l'ingestion. Stade 1 (effets neurologiques), stade 2 (effets cardiopulmonaires) and stade 3 (effets rénaux). Si l'empoisonnement à l'éthylène glycol est confirmé, l'administration d'éthanol par voie intraveineuse doit être considérée. Les soins pharmacologiques ou de soutien supplémentaires doivent être établis en fonction du jugement du médecin traitant.

### **SECTION 5 : Mesures de lutte contre l'incendie**

#### **5.1. Moyens d'extinction appropriés**

En cas de feu : Utiliser un agent extincteur adapté aux matériaux combustibles ordinaires comme l'eau ou la mousse pour l'extinction.

#### **5.2. Dangers particuliers résultant de la substance ou du mélange**

Les récipients fermés exposés à la chaleur peuvent exploser. Une partie de l'oxygène pour la combustion est fourni par le peroxyde.

### **5.3. Équipement de protection spécial pour le personnel préposé à la lutte contre le feu**

Porter un vêtement de protection intégral comprenant: casque, système de protection respiratoire autonome avec adduction d'air créant une pression positive à l'intérieur du casque; tablier et pantalon et manches resserrées autour des bras et des jambes, masque facial et chasuble pour protéger la tête. Porter des vêtements complets de protection, y compris casque, respirateur autonome à pression positive ou à admission d'air par pression, imperméable et pantalon de feu, bandes élastiques autour des bras, de la taille et des jambes, masque facial et vêtement de protection pour les parties exposées de la tête.

## **SECTION 6 : Mesures à prendre en cas de rejet accidentel**

### **6.1. Précautions individuelles, équipement de protection et procédures d'urgence**

Évacuer la zone Éliminer toutes les sources d'ignition si cela est faisable sans danger. Conserver à l'écart de la chaleur, des étincelles, des flammes nues et des surfaces chaudes. Il est interdit de fumer. N'utiliser que des outils ne produisant pas d'étincelles. Ventiler la zone à l'air frais. Pour les grands déversements ou les déversements dans les espaces confinés, fournir une ventilation mécanique pour disperser ou évacuer les vapeurs, conformément aux bonnes pratiques d'hygiène industrielle. **MISE EN GARDE!** Un moteur pourrait constituer une source d'inflammation et provoquer un incendie ou une explosion des gaz ou des vapeurs inflammables présents dans la zone du déversement. Consulter les autres sections de cette fiche signalétique pour plus de renseignements sur les dangers physiques ou pour la santé, la protection respiratoire, la ventilation ainsi que le matériel de protection individuelle.

### **6.2. Précautions pour l'environnement**

Éviter le rejet dans l'environnement.

### **6.3. Méthodes et matériel de confinement et de nettoyage**

Ramasser le plus de produits déversés possibles en utilisant des outils ne provoquant pas d'étincelles. Placer dans un récipient fermé approuvé pour le transport par les autorités compétentes. Nettoyer les résidus. Fermer hermétiquement dans un récipient. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## **SECTION 7 : Manipulation et entreposage**

### **7.1. Précautions à prendre pour une manipulation sans danger**

Ne pas utiliser dans des espaces clos ni là où il y a très peu ou aucun mouvement de l'air. Tenir hors de portée des enfants. Conserver à l'écart de la chaleur, des étincelles, des flammes nues et des surfaces chaudes. Il est interdit de fumer. Ne pas respirer les poussières, fumées, brouillards, gaz, vapeurs ou émanations. Éviter tout contact du produit avec les yeux, la peau ou les vêtements. Ne pas manger, boire ou fumer en utilisant le produit. Bien se laver les mains après utilisation du produit. Les vêtements de travail contaminés devraient demeurer sur le lieu de travail. Éviter le rejet dans l'environnement. Laver les vêtements contaminés avant de les porter de nouveau.

### **7.2. Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités**

Protéger des rayons du soleil. Entreposer à l'écart de la chaleur; Entreposer à des températures ne dépassant pas 32 °C (90 °F). Garder au frais. Conserver dans le contenant original uniquement. Entreposer à l'écart des autres matériaux. Tenir/entreposer à l'écart des vêtements et d'autres matériaux combustibles.

## **SECTION 8 : Contrôles d'exposition/protection personnelle**

### **8.1. Paramètres de contrôle**

#### **Limites d'exposition en milieu de travail**

Si un composant est divulgué à l'article 3, mais n'apparaît pas dans le tableau ci-dessous, une limite d'exposition professionnelle n'est pas disponible pour le composant.

| <b>Ingrédient</b> | <b>Numéro CAS</b> | <b>Agence</b> | <b>Type de limite</b> | <b>Mentions additionnelles</b> |
|-------------------|-------------------|---------------|-----------------------|--------------------------------|
|-------------------|-------------------|---------------|-----------------------|--------------------------------|

|                       |           |       |                                                                                           |  |
|-----------------------|-----------|-------|-------------------------------------------------------------------------------------------|--|
| ETHYLENE GLYCOL       | 107-21-1  | ACGIH | MPT (vapeurs) : 25 ppm;<br>STEL (vapeurs) :50 ppm;<br>STEL (raction inhalable) : 10 mg/m3 |  |
| Oxyde de fer (Fe2O3)  | 1309-37-1 | ACGIH | MPT(fraction respirables):5 mg/m3                                                         |  |
| DISTEARATES           | 557-05-1  | ACGIH | MPT(fraction respirable):3 mg/m3; MPT (inhalable fraction):10 mg/m3                       |  |
| Sulfate de calcium    | 7778-18-9 | ACGIH | MPT(fraction inhalable):10 mg/m3                                                          |  |
| Peroxyde de dibenzoyl | 94-36-0   | ACGIH | MPT:5 mg/m3                                                                               |  |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer Recommended Guideline

MPT : moyenne pondérée dans le temps

STEL : Limite d'exposition de courte durée

C : Valeur plafond

## 8.2. Contrôles d'exposition

### 8.2.1. Mesures d'ingénierie

Fournir une ventilation suffisante pour maintenir les concentrations de poussière sous les concentrations explosives minimales. Disposer d'un appareil de ventilation par dilution générale et/ou d'un appareil de ventilation par aspiration localisé pour contrôler les niveaux d'exposition aux particules en suspension dans l'air et s'assurer qu'elles se situent en dessous des limites d'exposition applicables et pour contrôler les poussières, fumées, gaz, brouillards, vapeurs ou émanations. Si la ventilation n'est pas adéquate, utiliser un appareil de protection respiratoire.

### 8.2.2. équipement de protection individuelle

#### Protection des yeux/du visage

Choisissez et utilisez protection des yeux/du visage pour éviter le contact basé sur les résultats d'une évaluation de l'exposition. Les protections des yeux suivantes sont recommandées:  
Lunettes de protection ouvertes.

#### Protection de la peau/des mains

Sélectionner et porter des gants et/ou des vêtements de protection pour éviter tout contact avec la peau selon les résultats d'une évaluation du degré d'exposition. Consulter le fabricant de gants et/ou de vêtements de protection pour la sélection de matériaux compatibles appropriés. Les gants en nitrile peuvent être portés par-dessus des gants de stratifié polymère pour améliorer la dextérité.

Des gants constitués du/des matériaux suivants sont recommandés: polymère stratifié

Si le produit est utilisé dans des conditions de forte exposition (exemple pulvérisations, risque élevé d'éclaboussures, etc), l'utilisation d'une combinaison de protection peut s'avérer nécessaire. Choisissez et utilisez une protection du corps pour éviter le contact basé sur les résultats d'une évaluation de l'exposition. Le matériau de vêtements de protection suivant(s) est recommandé: Tablier - polymère stratifié

#### Protection respiratoire :

Une évaluation de l'exposition peut être nécessaire de décider si un appareil respiratoire est nécessaire. Si un appareil respiratoire est nécessaire, utiliser des masques dans le cadre d'un programme de protection respiratoire complet. Basé sur les résultats de l'évaluation de l'exposition, sélectionnez un des types de respirateur suivants afin de réduire l'exposition par inhalation:

Demi-masque respiratoire ou masque complet adapté pour des vapeurs organiques et des particules

Pour des questions concernant une utilisation spécifique, consulter le fabricant de votre appareil respiratoire.

## SECTION 9 : Propriétés chimiques et physiques

### 9.1. Informations sur les propriétés physiques et chimiques essentielles

|                                                     |                                                                                   |
|-----------------------------------------------------|-----------------------------------------------------------------------------------|
| État physique                                       | Solide                                                                            |
| Aspect physique spécifique:                         | pâte                                                                              |
| couleur                                             | Rouge                                                                             |
| Odeur                                               | Ester légère                                                                      |
| Valeur de seuil d'odeur                             | <i>Pas de données disponibles</i>                                                 |
| pH                                                  | <i>Pas de données disponibles</i>                                                 |
| Point de fusion/Point de congélation                | <i>Pas de données disponibles</i>                                                 |
| Point d'ébullition                                  | <i>Pas de données disponibles</i>                                                 |
| Point d'éclair :                                    | 111 °C [ <i>Méthode de test:estimé</i> ]                                          |
| Vitesse d'évaporation :                             | <i>Pas de données disponibles</i>                                                 |
| Inflammabilité (solide, gaz)                        | Peroxyde organique : Type E.                                                      |
| Limites d'explosivité (LIE)                         | <i>Ne s'applique pas</i>                                                          |
| Limites d'explosivité (LSI)                         | <i>Ne s'applique pas</i>                                                          |
| pression de vapeur                                  | <i>Ne s'applique pas</i>                                                          |
| Densité de vapeur et/ou Densité de vapeur relative; | <i>Ne s'applique pas</i>                                                          |
| Densité                                             | 1,2 g/cm <sup>3</sup>                                                             |
| Densité relative                                    | 1,2 [ @ 25 °C ] [ <i>Ref Std:Eau=1</i> ]                                          |
| Hydrosolubilité                                     | Négligeable                                                                       |
| Solubilité (non-eau)                                | <i>Pas de données disponibles</i>                                                 |
| Coefficient de partage : n-octanol/eau              | <i>Pas de données disponibles</i>                                                 |
| Température d'inflammation spontanée                | <i>Pas de données disponibles</i>                                                 |
| Température de décomposition                        | <i>Pas de données disponibles</i>                                                 |
| Viscosité / Viscosité Cinématique                   | <i>Pas de données disponibles</i>                                                 |
| Composés Organiques Volatils                        | 0 - 90 g/l [ <i>Méthode de test:Calculé selon le règlement 443.1 de SCAQMD</i> ]  |
| Composés Organiques Volatils                        | 0 % en poids [ <i>Méthode de test:calculé selon CARB title2</i> ]                 |
| Pourcentage de matières volatiles                   | 21 - 28,5 % en poids                                                              |
| COV (moins l'eau et les solvants exempts)           | 0 - 121 g/l [ <i>Méthode de test:Calculé selon le règlement 443.1 de SCAQMD</i> ] |

#### Nanoparticules

Ce matière ne contient pas des nanoparticules.

## SECTION 10 : Stabilité et réactivité

### 10.1 Réactivité

Ce matériau pourrait s'avérer réactif avec certains agents et sous certaines conditions - consulter les autres titres de cette section.

### 10.2 Stabilité chimique

Stable. Stable. Instable si exposer à la chaleur, les flammes et des conditions de séchage.

### 10.3 Possibilité de réactions dangereuses

Une polymérisation dangereuse ne se produira pas.

### 10.4 Condition à éviter

Chaleur

### **10.5 matériaux incompatibles**

Accélérateurs

### **10.6 Produits de décomposition dangereux**

| <u>Substance</u>                | <u>Condition</u> |
|---------------------------------|------------------|
| Monoxyde de carbone             | Non spécifié     |
| Bioxyde de carbone              | Non spécifié     |
| Vapeur toxique, gaz, particule. | Non spécifié     |

## **SECTION 11 : Renseignements toxicologiques**

Les informations ci-dessous peuvent être inconsistantes avec la classification du produit dans la section 2 si les classifications de certains ingrédients sont attribuées par une autorité compétente. En outre, les données toxicologiques de certains ingrédients peuvent ne pas être reprises dans la classification du produit et/ou les signes et symptômes de l'exposition. Une cause possible est qu'un ingrédient peut être présent en dessous du seuil d'étiquetage un ingrédient peut être indisponible pour l'exposition ou les données ne s'appliquent pas au produit dans son ensemble.

### **11.1 Informations sur les effets toxicologiques**

#### **Signes et symptômes d'exposition**

Selon les données d'essai et/ou les renseignements sur les composants, ce matériau peut produire les effets suivants sur la santé :

##### **Inhalation :**

Irritation des voies respiratoires: Les signes/symptômes peuvent inclure la toux, des éternuements, l'écoulement nasal, des maux de tête, l'enrouement et des douleurs au nez et à la gorge.

##### **Contact avec la peau :**

Pourrait s'avérer dangereux en cas de contact avec la peau. Le contact du produit avec la peau pendant son utilisation n'est pas censé causer une irritation importante. Sensibilisation de contact (autre que photosensibilisation) : les symptômes peuvent inclure rougeurs, enflures, cloques et démangeaisons.

##### **En cas de contact avec les yeux :**

Irritation oculaire grave: les symptômes peuvent inclure rougeurs, gonflements, douleurs, larmes, opacité cornéenne, diminution de la vision avec risque d'altération permanente.

##### **Ingestion :**

Irritation gastro-intestinale: Les signes/symptômes peuvent inclure: douleurs abdominales, maux d'estomac, nausées, vomissements et diarrhée. Peut provoquer des effets additionnels sur la santé (voir ci-dessous).

##### **Autres effets de santé:**

##### **Une exposition unique peut provoquer des effets sur l'organe cible:**

Effets cardiaques: Les signes/symptômes peuvent inclure un rythme cardiaque irrégulier (arythmie), une modification du rythme cardiaque, des dommages au muscle cardiaque, une crise cardiaque qui peut être mortelle. Effets neurologiques: Les signes/symptômes peuvent inclure des changements de la personnalité, un manque de coordination, une perte sensorielle, des picotements ou un engourdissement au niveau des extrémités, de la faiblesse, des tremblements et/ou des changements au niveau de la pression sanguine et du rythme cardiaque. Effets respiratoires: Les signes/symptômes peuvent inclure la toux, l'essoufflement, l'oppression thoracique, la respiration sifflante, l'augmentation du rythme cardiaque, la cyanose (bleuissement de la peau), des expectorations, des changements au niveau. Effets sur les reins/la vessie: Les signes/symptômes peuvent inclure: modification de la production d'urine, douleurs lombaires et abdominales, augmentation de la quantité de protéines dans les urines, présence de sang dans les urines, augmentation de la quantité d'azote uréique dans le sang et miction douloureuse.

### Données toxicologiques

Si un composant est listé en section 3 mais n'apparaît pas dans une table ci-dessous, soit aucune donnée n'est disponible pour ce danger, soit les données ne sont pas suffisantes pour établir une classification.

### Toxicité aiguë

| Nom                                                  | Voie                                          | Espèces                | Valeur                                                        |
|------------------------------------------------------|-----------------------------------------------|------------------------|---------------------------------------------------------------|
| Produit général                                      | Dermale                                       |                        | Pas de données disponibles. Calculé ETA >2 000 - ≤5 000 mg/kg |
| Produit général                                      | Inhalation-poussières / brouillard(4 h)       |                        | Pas de données disponibles. Calculé ETA>12,5 mg/l             |
| Produit général                                      | Ingestion                                     |                        | Pas de données disponibles. Calculé ETA>5 000 mg/kg           |
| Peroxyde de dibenzoyl                                | Dermale                                       |                        | LD50 estimée à 2 000 - 5 000 mg/kg                            |
| Peroxyde de dibenzoyl                                | Inhalation-poussières / brouillard (4 heures) | Rat                    | LC50 > 24,3 mg/l                                              |
| Peroxyde de dibenzoyl                                | Ingestion                                     | Rat                    | LD50 > 5 000 mg/kg                                            |
| Benzoate d'alkyles en C9-C11 ramifiés                | Dermale                                       | Lapin                  | LD50 > 2 000 mg/kg                                            |
| Benzoate d'alkyles en C9-C11 ramifiés                | Inhalation-poussières / brouillard (4 heures) | Rat                    | LC50 > 5 mg/l                                                 |
| Benzoate d'alkyles en C9-C11 ramifiés                | Ingestion                                     | Rat                    | LD50 > 5 000 mg/kg                                            |
| Sulfate de calcium                                   | Dermale                                       | Jugement professionnel | LD50 estimée à > 5 000 mg/kg                                  |
| Sulfate de calcium                                   | Ingestion                                     | Rat                    | LD50 > 5 000 mg/kg                                            |
| Distearate de zinc                                   | Dermale                                       | Lapin                  | LD50 > 2 000 mg/kg                                            |
| Distearate de zinc                                   | Inhalation-poussières / brouillard (4 heures) | Rat                    | LC50 > 50 mg/l                                                |
| Distearate de zinc                                   | Ingestion                                     | Rat                    | LD50 > 5 000 mg/kg                                            |
| ETHYLENE GLYCOL                                      | Ingestion                                     | Humain                 | LD50 1 600 mg/kg                                              |
| ETHYLENE GLYCOL                                      | Inhalation-poussières / brouillard (4 heures) | Autres                 | LC50 estimée à 5 - 12,5 mg/l                                  |
| ETHYLENE GLYCOL                                      | Dermale                                       | Lapin                  | 9 530 mg/kg                                                   |
| Oxyde de fer (Fe2O3)                                 | Dermale                                       | Pas disponible         | LD50 3 100 mg/kg                                              |
| Oxyde de fer (Fe2O3)                                 | Ingestion                                     | Pas disponible         | LD50 3 700 mg/kg                                              |
| Ether butylique du polyéthylène-polypropylène glycol | Dermale                                       | Lapin                  | LD50 > 16 960 mg/kg                                           |
| Ether butylique du polyéthylène-polypropylène glycol | Inhalation-poussières / brouillard (4 heures) | Rat                    | LC50 > 5 mg/l                                                 |
| Ether butylique du polyéthylène-polypropylène glycol | Ingestion                                     | Rat                    | LD50 4 240 mg/kg                                              |

ETA = estimation de la toxicité aiguë

### Corrosion/irritation cutanée

| Nom                                                  | Espèces | Valeur                          |
|------------------------------------------------------|---------|---------------------------------|
| Peroxyde de dibenzoyl                                | Lapin   | Irritation minimale.            |
| Distearate de zinc                                   | Lapin   | Aucune irritation significative |
| ETHYLENE GLYCOL                                      | Lapin   | Irritation minimale.            |
| Oxyde de fer (Fe2O3)                                 | Lapin   | Aucune irritation significative |
| Ether butylique du polyéthylène-polypropylène glycol | Lapin   | Irritation minimale.            |

### Blessures graves aux yeux/Irritation

| Nom                                                  | Espèces | Valeur                          |
|------------------------------------------------------|---------|---------------------------------|
| Peroxyde de dibenzoyl                                | Lapin   | Irritant grave                  |
| Distearate de zinc                                   | Lapin   | Aucune irritation significative |
| ETHYLENE GLYCOL                                      | Lapin   | irritant légère                 |
| Oxyde de fer (Fe2O3)                                 | Lapin   | Aucune irritation significative |
| Ether butylique du polyéthylène-polypropylène glycol | Lapin   | Aucune irritation significative |

### Sensibilisation de la peau

| Nom                   | Espèces       | Valeur        |
|-----------------------|---------------|---------------|
| Peroxyde de dibenzoyl | Cochon d'Inde | sensibilisant |
| ETHYLENE GLYCOL       | Humain        | Non classifié |
| Oxyde de fer (Fe2O3)  | Humain        | Non classifié |

### Sensibilisation respiratoire

Pour le composant/les composants, soit aucune donnée n'est disponible pour ce danger, soit les données ne sont pas suffisantes pour établir une classification.

### Mutagenicité des cellules germinales

| Nom                   | Voie     | Valeur             |
|-----------------------|----------|--------------------|
| Peroxyde de dibenzoyl | In Vitro | N'est pas mutagène |
| Peroxyde de dibenzoyl | In vivo  | N'est pas mutagène |
| ETHYLENE GLYCOL       | In Vitro | N'est pas mutagène |
| ETHYLENE GLYCOL       | In vivo  | N'est pas mutagène |
| Oxyde de fer (Fe2O3)  | In Vitro | N'est pas mutagène |

### Cancérogénicité :

| Nom                                                  | Voie       | Espèces                   | Valeur                                                                                                            |
|------------------------------------------------------|------------|---------------------------|-------------------------------------------------------------------------------------------------------------------|
| Peroxyde de dibenzoyl                                | Ingestion  | Multiple espèces animales | Non-cancérogène                                                                                                   |
| Peroxyde de dibenzoyl                                | Dermale    | Mouris                    | Certaines données positives existent, mais ces données ne sont pas suffisantes pour justifier une classification. |
| ETHYLENE GLYCOL                                      | Ingestion  | Multiple espèces animales | Non-cancérogène                                                                                                   |
| Oxyde de fer (Fe2O3)                                 | Inhalation | Humain                    | Certaines données positives existent, mais ces données ne sont pas suffisantes pour justifier une classification. |
| Ether butylique du polyéthylène-polypropylène glycol | Ingestion  | Rat                       | Non-cancérogène                                                                                                   |

### Effets toxiques sur la reproduction

#### Effets sur la reproduction et/ou le développement

| Nom                   | Voie      | Valeur                                          | Espèces | Résultat de l'essai                             | Durée d'exposition                           |
|-----------------------|-----------|-------------------------------------------------|---------|-------------------------------------------------|----------------------------------------------|
| Peroxyde de dibenzoyl | Ingestion | Non classifié pour la reproduction des femelles | Rat     | Niveau sans effet nocif observé 1 000 mg/kg/day | avant l'accouplement et pendant la gestation |
| Peroxyde de dibenzoyl | Ingestion | Non classifié pour la reproduction masculine    | Rat     | Niveau sans effet nocif observé 500 mg/kg/day   | avant l'accouplement et pendant la gestation |
| Peroxyde de dibenzoyl | Ingestion | Non classifié pour le développement             | Rat     | Niveau sans effet nocif                         | avant l'accouplement                         |

|                                                      |            |                                              |        |                                                 |                            |
|------------------------------------------------------|------------|----------------------------------------------|--------|-------------------------------------------------|----------------------------|
|                                                      |            |                                              |        | observé 500 mg/kg/day                           | nt et pendant la gestation |
| ETHYLENE GLYCOL                                      | Dermale    | Non classifié pour la développement          | Mouris | Niveau sans effet nocif observé 3 549 mg/kg/day | pendant l'organogénèse     |
| ETHYLENE GLYCOL                                      | Ingestion  | Non classifié pour la développement          | Mouris | LOAEL 750 mg/kg/day                             | pendant l'organogénèse     |
| ETHYLENE GLYCOL                                      | Inhalation | Non classifié pour la développement          | Mouris | Niveau sans effet nocif observé 1 000 mg/kg/day | pendant l'organogénèse     |
| Ether butylique du polyéthylène-polypropylène glycol | Inhalation | Non classifié pour la reproduction masculine | Rat    | Niveau sans effet nocif observé 1 mg/l          | 2 semaines                 |

### Organe(s) cible(s)

#### Toxicité spécifique pour certains organes cibles - exposition unique

| Nom                                                  | Voie      | Organe(s) cible(s)                                                          | Valeur                                         | Espèces | Résultat de l'essai                            | Durée d'exposition          |
|------------------------------------------------------|-----------|-----------------------------------------------------------------------------|------------------------------------------------|---------|------------------------------------------------|-----------------------------|
| ETHYLENE GLYCOL                                      | Ingestion | cœur   Système nerveux   rénale et / ou de la vessie   système respiratoire | Risque avéré d'effets graves pour les organes. | Humain  | Niveau sans effet nocif observé Pas disponible | empoisonnement et / ou abus |
| ETHYLENE GLYCOL                                      | Ingestion | dépression du système nerveux central                                       | Peut provoquer somnolence ou vertiges          | Humain  | Niveau sans effet nocif observé Pas disponible | empoisonnement et / ou abus |
| ETHYLENE GLYCOL                                      | Ingestion | foie                                                                        | Non classifié                                  | Humain  | Niveau sans effet nocif observé Pas disponible | empoisonnement et / ou abus |
| Ether butylique du polyéthylène-polypropylène glycol | Ingestion | Système nerveux                                                             | Non classifié                                  | Rat     | Niveau sans effet nocif observé Pas disponible |                             |

#### Toxicité spécifique pour certains organes cibles - exposition répétée

| Nom             | Voie      | Organe(s) cible(s)                                                                                       | Valeur                                                                                                            | Espèces                    | Résultat de l'essai                              | Durée d'exposition |
|-----------------|-----------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------|--------------------|
| ETHYLENE GLYCOL | Ingestion | rénale et / ou de la vessie                                                                              | Certaines données positives existent, mais ces données ne sont pas suffisantes pour justifier une classification. | Rat                        | Niveau sans effet nocif observé 200 mg/kg/day    | 2 années           |
| ETHYLENE GLYCOL | Ingestion | système vasculaire                                                                                       | Non classifié                                                                                                     | Rat                        | Niveau sans effet nocif observé 200 mg/kg/day    | 2 années           |
| ETHYLENE GLYCOL | Ingestion | cœur   système vasculaire   foie   système immunitaire   muscles                                         | Non classifié                                                                                                     | Rat                        | Niveau sans effet nocif observé 1 000 mg/kg/day  | 2 années           |
| ETHYLENE GLYCOL | Ingestion | système respiratoire                                                                                     | Non classifié                                                                                                     | Mouris                     | Niveau sans effet nocif observé 12 000 mg/kg/day | 2 années           |
| ETHYLENE GLYCOL | Ingestion | la peau   Système endocrinien   des os, des dents, des ongles et/ou les cheveux   Système nerveux   yeux | Non classifié                                                                                                     | Multiple espèces animales. | Niveau sans effet nocif observé 1 000 mg/kg/day  | 2 années           |

|                                                      |            |                                                                   |                                                                                                                   |        |                                                 |                            |
|------------------------------------------------------|------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------|----------------------------|
| Oxyde de fer (Fe <sub>2</sub> O <sub>3</sub> )       | Inhalation | Fibrose pulmonaire   pneumoconiosis                               | Non classifié                                                                                                     | Humain | Niveau sans effet nocif observé Pas disponible  | exposition professionnelle |
| Ether butylique du polyéthylène-polypropylène glycol | Inhalation | Système endocrinien   système vasculaire   foie   Système nerveux | Non classifié                                                                                                     | Rat    | Niveau sans effet nocif observé 1 mg/l          | 2 semaines                 |
| Ether butylique du polyéthylène-polypropylène glycol | Inhalation | rénale et / ou de la vessie                                       | Non classifié                                                                                                     | Rat    | Niveau sans effet nocif observé 0,005 mg/l      | 2 semaines                 |
| Ether butylique du polyéthylène-polypropylène glycol | Inhalation | système respiratoire                                              | Non classifié                                                                                                     | Rat    | LOAEL 0,001 mg/l                                | 2 semaines                 |
| Ether butylique du polyéthylène-polypropylène glycol | Inhalation | cœur                                                              | Non classifié                                                                                                     | Rat    | Niveau sans effet nocif observé 0,5 mg/l        | 2 semaines                 |
| Ether butylique du polyéthylène-polypropylène glycol | Ingestion  | foie   rénale et / ou de la vessie                                | Certaines données positives existent, mais ces données ne sont pas suffisantes pour justifier une classification. | Rat    | Niveau sans effet nocif observé 145 mg/kg/day   | 90 jours                   |
| Ether butylique du polyéthylène-polypropylène glycol | Ingestion  | système vasculaire                                                | Non classifié                                                                                                     | Rat    | Niveau sans effet nocif observé 500 mg/kg/day   | 2 années                   |
| Ether butylique du polyéthylène-polypropylène glycol | Ingestion  | cœur   Système endocrinien   système respiratoire                 | Non classifié                                                                                                     | Rat    | Niveau sans effet nocif observé 3 770 mg/kg/day | 90 jours                   |

**Risque d'aspiration**

Pour le composant/les composants, soit aucune donnée n'est disponible pour ce danger, soit les données ne sont pas suffisantes pour établir une classification.

**Veuillez communiquer à l'adresse ou au numéro de téléphone indiqué à la première page de la fiche signalétique santé-sécurité pour de plus amples renseignements sur ce matériau ou ses composants.**

**SECTION 12 : Renseignements écologiques**

Pas de données disponibles.

**SECTION 13 : Considérations relatives à l'élimination****13.1. Méthodes d'élimination**

Éliminer les contenus/contenants conformément aux règlements locaux, régionaux, nationaux et internationaux.

Évacuer les déchets vers une usine de gestion des déchets industriels autorisée. Une autre solution d'élimination consiste à incinérer le produit non-durci dans un incinérateur de déchets autorisé. La destruction adéquate peut exiger le recours à un autre combustible lors des processus d'incinération. Les fûts/barils/contenants utilisés pour le transport et la manutention de produits chimiques dangereux (substances chimiques, mélanges, préparations classifiées comme dangereuses en vertu des règlements applicables) doivent être considérés, entreposés, traités et éliminés comme des déchets dangereux sauf mention contraire dans des règlements applicables sur la gestion des déchets. Consulter les organismes de réglementation concernés pour déterminer les installations de traitement et d'élimination disponibles. Ce produit a été classifié en fonction de sa stabilité lors de la vente. Ce produit peut devenir instable une fois sec. Le classifiez de façon appropriée avant la mise au rebut.

**SECTION 14 : Renseignements sur le transport**

Pour l'informations de transport, s'il vous plaît visitez <http://3M.com/Transportinfo> ou par téléphone 1-800-364-3577 ou 651-737-6501.

## **SECTION 15 : Renseignements réglementaires**

### **15.1. Réglementation/législation particulière à la substance ou au mélange en matière de sécurité, de santé et d'environnement**

#### **Statut des inventaires**

Contactez 3M pour plus de renseignements. Les composants de ce matériau sont conformes aux dispositions de la Korean Toxic Chemical Control Law (loi coréenne de réglementation des produits chimiques toxiques). Certaines restrictions peuvent s'appliquer. Communiquer avec la division des ventes pour obtenir plus de renseignements. Les composés de ce matériau sont conformes aux dispositions du NICNAS (National Industrial Chemical Notification and Assessment Scheme) de l'Australie. Certaines restrictions peuvent s'appliquer. Communiquer avec la division des ventes pour obtenir plus de renseignements. Les composants de ce produit sont conformes aux exigences relatives aux avis sur les produits chimiques de la CEPA. Ce produit est conforme aux mesures sur la gestion environnementale des nouvelles substances chimiques. Tous les ingrédients sont listés ou exemptés de l'inventaire Chinois IECSC. Les composés de ce produit sont conformes aux exigences de notification des produits chimiques de la TSCA (Loi réglementant les substances toxiques).

## **SECTION 16 : Autres renseignements**

### **Classement des risques par la NFPA**

**Santé:** 2 **Inflammabilité:** 1 **Instabilité :** 0 **Risques particuliers :** Oxydant

Les cotes d'évaluation des risques établies par la National Fire Protection Association (NFPA) sont destinées à aider le personnel d'intervention d'urgence à déterminer les risques présentés par l'exposition aiguë à court terme à un matériau au cours d'incendies, de déversements ou d'autres situations d'urgence semblables. Pour les établir, on tient principalement compte des propriétés physiques et toxiques du matériau, mais également des propriétés toxiques des produits de combustion ou de décomposition qui sont générés en grande quantité.

### **Classement des risques par le HMIS**

**Santé:** 4 **Inflammabilité:** 1 **Dangers physiques :** 0 **Protection personnelle:** X - See PPE section.

Les cotes d'évaluation des risques établies par le Hazardous Material Identification System (HMIS® IV) sont destinées à informer les employés sur les dangers chimiques en milieu de travail. Ces cotes d'évaluation se fondent sur les propriétés inhérentes du matériau dans des conditions d'utilisation normales prévisibles et leur utilisation n'est pas destinée aux cas d'urgence. Les cotes d'évaluation du HMIS® IV doivent être utilisées dans le cadre d'une mise en œuvre complète d'un programme HMIS® IV. HMIS® est une marque déposée de l'American Coatings Association (ACA).

|                             |            |                                       |            |
|-----------------------------|------------|---------------------------------------|------------|
| <b>Groupe de document :</b> | 25-4665-3  | <b>Numéro de la version :</b>         | 3.00       |
| <b>Date de parution :</b>   | 2022/03/11 | <b>Remplace la version datée de :</b> | 2020/10/19 |

Les renseignements contenus dans la présente fiche de données de sécurité (FDS) étaient jugés exacts au moment de la publication. 3M N'OFFRE AUCUNE GARANTIE OU CONDITION EXPLICITE OU IMPLICITE, TATUTAIRE OU AUTRE, Y COMPRIS, MAIS SANS S'Y LIMITER, TOUTE GARANTIE OU CONDITION IMPLICITE DE QUALITÉ MARCHANDE OU D'ADAPTATION À UN USAGE PARTICULIER, OU TOUTE GARANTIE OU CONDITION IMPLICITE DÉCOULANT DE LA CONDUITE DES AFFAIRES, DES PRATIQUES COURANTES ET DES USAGES DU COMMERCE. Il incombe à l'utilisateur d'établir si le produit 3M convient à l'usage auquel il le destine et à la méthode d'utilisation ou d'application prévue. Comme l'utilisateur est parfois seul à connaître les nombreux facteurs qui interviennent dans l'utilisation et l'application d'un produit 3M et à y exercer un quelconque pouvoir, il est essentiel qu'il évalue le produit 3M avant de déterminer s'il convient à l'usage auquel il le destine et à la méthode d'utilisation ou d'application prévue.

**Les FDS de 3M Canada sont disponibles sur [www.3m.ca](http://www.3m.ca)**



## Safety Data Sheet

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

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Red Cream Hardener PN 05830

#### Product Identification Numbers

60-9800-2275-4      JC-1700-2976-6      XS-0414-1601-6

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

##### Intended Use

Automotive

##### Specific Use

Catalyst for automotive body filler

##### 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 / 1-800-364-3577; Transportation Emergency Telephone (CANUTEC): (613) 996-6666

### SECTION 2: Hazard identification

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

Organic Peroxide: Type E.

Serious Eye Damage/Irritation: Category 2A.

Skin Sensitizer: Category 1B.

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

## 2.2. Label elements

### Signal word

Danger

### Symbols

Flame | Exclamation mark | Health Hazard |

### Pictograms



### Hazard statements

Heating may cause a fire.

Causes serious eye irritation. May cause an allergic skin reaction.

Causes damage to organs: cardiovascular system | nervous system | kidney/urinary tract | respiratory system |

### Precautionary statements

#### General:

Keep out of reach of children.

#### Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Keep only in original packaging. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash exposed skin thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

#### Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF exposed or concerned: Call a POISON CENTRE or doctor/physician. Specific treatment (see Notes to Physician on this label). In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

#### Storage:

Protect from sunlight. Store in a well-ventilated place. Store at temperatures not exceeding 32C/90F. Keep cool. Store locked up. Store separately.

#### Disposal:

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

#### Notes to Physician:

This product contains ethylene glycol. If there is reasonable suspicion of ethylene glycol poisoning, intravenous (IV) administration with either fomepizole (preferred) or ethanol (if fomepizole is unavailable) should be considered as part of the medical management.

## 2.3. Other hazards

None known.

15% 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                                             |
|------------------------------------------------------|-------------|------------------------|---------------------------------------------------------|
| Benzoyl Peroxide                                     | 94-36-0     | 30 - 60 Trade Secret * | Peroxide, dibenzoyl                                     |
| Benzoic Acid, C9-11-Branched Alkyl Esters            | 131298-44-7 | 10 - 30                | Benzoic acid, C9-11-branched alkyl esters               |
| Water                                                | 7732-18-5   | 10 - 30                | Water                                                   |
| Calcium Sulfate                                      | 7778-18-9   | 1 - 10                 | Sulfuric acid, calcium salt (1:1)                       |
| Ethylene Glycol                                      | 107-21-1    | <= 7.5                 | 1,2-Ethanediol                                          |
| Zinc Stearate                                        | 557-05-1    | 2.5 - 7.5              | Octadecanoic acid, zinc salt                            |
| Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )         | 1309-37-1   | 1 - 5                  | Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )            |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | 9038-95-3   | <= 5                   | Oxirane, methyl-, polymer with oxirane, monobutyl ether |

\*The actual concentration of this ingredient 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

Allergic skin reaction (redness, swelling, blistering, and itching). Target organ effects. See Section 11 for additional details.

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

This product contains ethylene glycol. Effects of oral ethylene glycol poisoning can be divided into three stages which generally occur over a time-course of hours to days following ingestion: Stage 1 (neurological effects), stage 2 (cardiopulmonary effects) and stage 3 (renal effects). If ethylene glycol poisoning is confirmed, intravenous (IV) administration of ethanol should be considered. Additional pharmacologic and supportive care should be based on the treating physician's judgement.

## 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

Closed containers exposed to heat from fire may build pressure and explode. Part of the oxygen for combustion is supplied by the peroxide itself.

### 5.3. Special protective 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

Evacuate area. Eliminate all ignition sources if safe to do so. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. 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.

Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment.

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

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Do not use in a confined area with minimal air exchange. Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. 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

Protect from sunlight. Store away from heat. Store at temperatures not exceeding 32C/90F. Keep cool. Keep only in original container. Store away from other materials. Keep/store away from clothing and other combustible materials.

## 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 |
|----------------------------------------------|------------|--------|-----------------------------------------------------------------------------------------|---------------------|
| Ethylene Glycol                              | 107-21-1   | ACGIH  | TWA(Vapor fraction):25 ppm;STEL(Vapor fraction):50 ppm;STEL(Inhalable aerosol):10 mg/m3 |                     |
| Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) | 1309-37-1  | ACGIH  | TWA(respirable fraction):5 mg/m3                                                        |                     |
| STEARATES                                    | 557-05-1   | ACGIH  | TWA(respirable fraction):3 mg/m3;TWA(inhalable fraction):10 mg/m3                       |                     |
| Calcium Sulfate                              | 7778-18-9  | ACGIH  | TWA(inhalable fraction):10 mg/m3                                                        |                     |
| Benzoyl Peroxide                             | 94-36-0    | ACGIH  | TWA:5 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 ventilation adequate to maintain dust concentration below minimum explosive concentrations. 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:

Indirect Vented Goggles

#### Skin/hand protection

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

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

#### Respiratory protection

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

Half facepiece or full facepiece air-purifying respirator suitable for organic 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               | Solid                           |
| Specific Physical Form:      | Paste                           |
| Colour                       | Red                             |
| Odour                        | Slight Ester                    |
| Odour threshold              | No Data Available               |
| pH                           | No Data Available               |
| Melting point/Freezing point | No Data Available               |
| Boiling point                | No Data Available               |
| Flash Point                  | 111 °C [Test Method: Estimated] |
| Evaporation rate             | No Data Available               |
| Flammability (solid, gas)    | Organic Peroxide: Type E.       |
| Flammable Limits(LEL)        | Not Applicable                  |

|                                               |                                                        |
|-----------------------------------------------|--------------------------------------------------------|
| Flammable Limits(UEL)                         | <i>Not Applicable</i>                                  |
| Vapour Pressure                               | <i>Not Applicable</i>                                  |
| Vapour Density and/or Relative Vapour Density | <i>Not Applicable</i>                                  |
| Density                                       | 1.2 g/cm <sup>3</sup>                                  |
| Relative density                              | 1.2 [ @ 25 °C ] [Ref Std: WATER=1]                     |
| Water solubility                              | Negligible                                             |
| Solubility- non-water                         | <i>No Data Available</i>                               |
| Partition coefficient: n-octanol/ water       | <i>No Data Available</i>                               |
| Autoignition temperature                      | <i>No Data Available</i>                               |
| Decomposition temperature                     | <i>No Data Available</i>                               |
| Viscosity/Kinematic Viscosity                 | <i>No Data Available</i>                               |
| Volatile Organic Compounds                    | 0 - 90 g/l [Test Method:calculated SCAQMD rule 443.1]  |
| Volatile Organic Compounds                    | 0 % weight [Test Method:calculated per CARB title 2]   |
| Percent volatile                              | 21 - 28.5 % weight                                     |
| VOC Less H <sub>2</sub> O & Exempt Solvents   | 0 - 121 g/l [Test Method:calculated SCAQMD rule 443.1] |

**Nanoparticles**

This material does not contain nanoparticles.

## 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. Stable unless exposed to heat, flames and drying conditions.

**10.3. Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**10.4. Conditions to avoid**

Heat

**10.5. Incompatible materials**

Accelerators

**10.6. Hazardous decomposition products**

| <u>Substance</u>              | <u>Condition</u> |
|-------------------------------|------------------|
| Carbon monoxide               | Not Specified    |
| Carbon dioxide                | Not Specified    |
| Toxic Vapor, Gas, Particulate | Not Specified    |

## SECTION 11: Toxicological information

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

**11.1. Information on Toxicological effects****Signs and Symptoms of Exposure**

**Based on test data and/or information on the components, this material may produce the following health effects:**

**Inhalation:**

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Skin Contact:**

May be harmful in contact with skin. Contact with the skin during product use is not expected to result in significant irritation. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

**Eye Contact:**

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. May cause additional health effects (see below).

**Additional Health Effects:**

**Single exposure may cause target organ effects:**

Cardiac Effects: Signs/symptoms may include irregular heartbeat (arrhythmia), changes in heart rate, damage to heart muscle, heart attack, and may be fatal. Neurological Effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and/or changes in blood pressure and heart rate. 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. Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

**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 >2,000 - ≤5,000 mg/kg |
| 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          |
| Benzoyl Peroxide                          | Dermal                         |                        | LD50 estimated to be 2,000 - 5,000 mg/kg                |
| Benzoyl Peroxide                          | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 24.3 mg/l                                        |
| Benzoyl Peroxide                          | Ingestion                      | Rat                    | LD50 > 5,000 mg/kg                                      |
| Benzoic Acid, C9-11-Branched Alkyl Esters | Dermal                         | Rabbit                 | LD50 > 2,000 mg/kg                                      |
| Benzoic Acid, C9-11-Branched Alkyl Esters | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 5 mg/l                                           |
| Benzoic Acid, C9-11-Branched Alkyl Esters | Ingestion                      | Rat                    | LD50 > 5,000 mg/kg                                      |
| Calcium Sulfate                           | Dermal                         | Professional judgement | LD50 estimated to be > 5,000 mg/kg                      |
| Calcium Sulfate                           | Ingestion                      | Rat                    | LD50 > 5,000 mg/kg                                      |
| Zinc Stearate                             | Dermal                         | Rabbit                 | LD50 > 2,000 mg/kg                                      |
| Zinc Stearate                             | Inhalation-                    | Rat                    | LC50 > 50 mg/l                                          |

|                                                      |                                       |                  |                                    |
|------------------------------------------------------|---------------------------------------|------------------|------------------------------------|
|                                                      | Dust/Mist<br>(4 hours)                |                  |                                    |
| Zinc Stearate                                        | Ingestion                             | Rat              | LD50 > 5,000 mg/kg                 |
| Ethylene Glycol                                      | Ingestion                             | Human            | LD50 1,600 mg/kg                   |
| Ethylene Glycol                                      | Inhalation-<br>Dust/Mist<br>(4 hours) | Other            | LC50 estimated to be 5 - 12.5 mg/l |
| Ethylene Glycol                                      | Dermal                                | Rabbit           | 9,530 mg/kg                        |
| Iron Oxide (FE2O3)                                   | Dermal                                | Not<br>available | LD50 3,100 mg/kg                   |
| Iron Oxide (FE2O3)                                   | Ingestion                             | Not<br>available | LD50 3,700 mg/kg                   |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Dermal                                | Rabbit           | LD50 > 16,960 mg/kg                |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Inhalation-<br>Dust/Mist<br>(4 hours) | Rat              | LC50 > 5 mg/l                      |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Ingestion                             | Rat              | LD50 4,240 mg/kg                   |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name                                                 | Species | Value                     |
|------------------------------------------------------|---------|---------------------------|
| Benzoyl Peroxide                                     | Rabbit  | Minimal irritation        |
| Zinc Stearate                                        | Rabbit  | No significant irritation |
| Ethylene Glycol                                      | Rabbit  | Minimal irritation        |
| Iron Oxide (FE2O3)                                   | Rabbit  | No significant irritation |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Rabbit  | Minimal irritation        |

### Serious Eye Damage/Irritation

| Name                                                 | Species | Value                     |
|------------------------------------------------------|---------|---------------------------|
| Benzoyl Peroxide                                     | Rabbit  | Severe irritant           |
| Zinc Stearate                                        | Rabbit  | No significant irritation |
| Ethylene Glycol                                      | Rabbit  | Mild irritant             |
| Iron Oxide (FE2O3)                                   | Rabbit  | No significant irritation |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Rabbit  | No significant irritation |

### Skin Sensitization

| Name               | Species       | Value          |
|--------------------|---------------|----------------|
| Benzoyl Peroxide   | Guinea<br>pig | Sensitizing    |
| Ethylene Glycol    | Human         | Not classified |
| Iron Oxide (FE2O3) | Human         | Not classified |

### Respiratory Sensitization

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

### Germ Cell Mutagenicity

| Name               | Route    | Value         |
|--------------------|----------|---------------|
| Benzoyl Peroxide   | In Vitro | Not mutagenic |
| Benzoyl Peroxide   | In vivo  | Not mutagenic |
| Ethylene Glycol    | In Vitro | Not mutagenic |
| Ethylene Glycol    | In vivo  | Not mutagenic |
| Iron Oxide (FE2O3) | In Vitro | Not mutagenic |

### Carcinogenicity

| Name             | Route     | Species                       | Value                                          |
|------------------|-----------|-------------------------------|------------------------------------------------|
| Benzoyl Peroxide | Ingestion | Multiple<br>animal<br>species | Not carcinogenic                               |
| Benzoyl Peroxide | Dermal    | Mouse                         | Some positive data exist, but the data are not |

|                                                      |            |                         |                                                                              |
|------------------------------------------------------|------------|-------------------------|------------------------------------------------------------------------------|
|                                                      |            |                         | sufficient for classification                                                |
| Ethylene Glycol                                      | Ingestion  | Multiple animal species | Not carcinogenic                                                             |
| Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )         | Inhalation | Human                   | Some positive data exist, but the data are not sufficient for classification |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Ingestion  | Rat                     | Not carcinogenic                                                             |

## Reproductive Toxicity

### Reproductive and/or Developmental Effects

| Name                                                 | Route      | Value                                  | Species | Test result           | Exposure Duration            |
|------------------------------------------------------|------------|----------------------------------------|---------|-----------------------|------------------------------|
| Benzoyl Peroxide                                     | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 1,000 mg/kg/day | premating & during gestation |
| Benzoyl Peroxide                                     | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 500 mg/kg/day   | premating & during gestation |
| Benzoyl Peroxide                                     | Ingestion  | Not classified for development         | Rat     | NOAEL 500 mg/kg/day   | premating & during gestation |
| Ethylene Glycol                                      | Dermal     | Not classified for development         | Mouse   | NOAEL 3,549 mg/kg/day | during organogenesis         |
| Ethylene Glycol                                      | Ingestion  | Not classified for development         | Mouse   | LOAEL 750 mg/kg/day   | during organogenesis         |
| Ethylene Glycol                                      | Inhalation | Not classified for development         | Mouse   | NOAEL 1,000 mg/kg/day | during organogenesis         |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Inhalation | Not classified for male reproduction   | Rat     | NOAEL 1 mg/l          | 2 weeks                      |

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure

| Name                                                 | Route     | Target Organ(s)                                                     | Value                             | Species | Test result         | Exposure Duration      |
|------------------------------------------------------|-----------|---------------------------------------------------------------------|-----------------------------------|---------|---------------------|------------------------|
| Ethylene Glycol                                      | Ingestion | heart   nervous system   kidney and/or bladder   respiratory system | Causes damage to organs           | Human   | NOAEL Not available | poisoning and/or abuse |
| Ethylene Glycol                                      | Ingestion | central nervous system depression                                   | May cause drowsiness or dizziness | Human   | NOAEL Not available | poisoning and/or abuse |
| Ethylene Glycol                                      | Ingestion | liver                                                               | Not classified                    | Human   | NOAEL Not available | poisoning and/or abuse |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Ingestion | nervous system                                                      | Not classified                    | Rat     | NOAEL Not available |                        |

### Specific Target Organ Toxicity - repeated exposure

| Name            | Route     | Target Organ(s)                                                | Value                                                                        | Species | Test result           | Exposure Duration |
|-----------------|-----------|----------------------------------------------------------------|------------------------------------------------------------------------------|---------|-----------------------|-------------------|
| Ethylene Glycol | Ingestion | kidney and/or bladder                                          | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 200 mg/kg/day   | 2 years           |
| Ethylene Glycol | Ingestion | vascular system                                                | Not classified                                                               | Rat     | NOAEL 200 mg/kg/day   | 2 years           |
| Ethylene Glycol | Ingestion | heart   hematopoietic system   liver   immune system   muscles | Not classified                                                               | Rat     | NOAEL 1,000 mg/kg/day | 2 years           |
| Ethylene Glycol | Ingestion | respiratory system                                             | Not classified                                                               | Mouse   | NOAEL                 | 2 years           |

|                                                      |            |                                                                                   |                                                                              |                         |                       |                       |
|------------------------------------------------------|------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------|-----------------------|-----------------------|
|                                                      |            |                                                                                   |                                                                              |                         | 12,000 mg/kg/day      |                       |
| Ethylene Glycol                                      | Ingestion  | skin   endocrine system   bone, teeth, nails, and/or hair   nervous system   eyes | Not classified                                                               | Multiple animal species | NOAEL 1,000 mg/kg/day | 2 years               |
| Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )         | Inhalation | pulmonary fibrosis   pneumoconiosis                                               | Not classified                                                               | Human                   | NOAEL Not available   | occupational exposure |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Inhalation | endocrine system   hematopoietic system   liver   nervous system                  | Not classified                                                               | Rat                     | NOAEL 1 mg/l          | 2 weeks               |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Inhalation | kidney and/or bladder                                                             | Not classified                                                               | Rat                     | NOAEL 0.005 mg/l      | 2 weeks               |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Inhalation | respiratory system                                                                | Not classified                                                               | Rat                     | LOAEL 0.001 mg/l      | 2 weeks               |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Inhalation | heart                                                                             | Not classified                                                               | Rat                     | NOAEL 0.5 mg/l        | 2 weeks               |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Ingestion  | liver   kidney and/or bladder                                                     | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 145 mg/kg/day   | 90 days               |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Ingestion  | hematopoietic system                                                              | Not classified                                                               | Rat                     | NOAEL 500 mg/kg/day   | 2 years               |
| Oxirane, Polymer with Methyloxirane, Monobutyl Ether | Ingestion  | heart   endocrine system   respiratory system                                     | Not classified                                                               | Rat                     | NOAEL 3,770 mg/kg/day | 90 days               |

**Aspiration Hazard**

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

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

**SECTION 12: Ecological information**

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. This product has been classified on the basis that it is stable as sold. Material may become unstable if allowed to dry out. Classify appropriately before disposal.

**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 product are in compliance with the new substance notification requirements of CEPA. 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: 0 Special Hazards: Oxidizer**

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.

**HMIS Hazard Classification**

**Health: 4 Flammability: 1 Physical Hazard: 0 Personal Protection: X - See PPE section.**

Hazardous Material Identification System (HMIS® IV) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® IV ratings are to be used with a fully implemented HMIS® IV program. HMIS® is a registered mark of the American Coatings Association (ACA).

|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
| <b>Document group:</b> | 25-4665-3  | <b>Version number:</b>  | 3.00       |
| <b>Issue Date:</b>     | 2022/03/11 | <b>Supersedes Date:</b> | 2020/10/19 |

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



## Safety Data Sheet

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**Document Group:** 44-2981-7  
**Issue Date:** 05/10/23

**Version Number:** 1.00  
**Supersedes Date:** Initial Issue

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Bondo® Lightweight Body Filler 260, 261, 261C, 261E, 262, 262C, 262ES, 262L, 262T, 262W, 263, 264, 264S, 265, 265C, 265ES, 265T, 265W, 267, 267C

#### Product Identification Numbers

41-0003-6562-1, 41-0003-6642-1, 41-0003-6715-5, 41-0003-8166-9, 41-1701-0084-0, 41-3701-1570-5  
1010200143

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

##### Recommended use

Automotive, Body Repair

#### 1.3. Supplier's details

**MANUFACTURER:** 3M  
**DIVISION:** Construction and Home Improvement Markets  
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000, USA  
**Telephone:** 1-888-3M HELPS (1-888-364-3577)

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazard identification

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

Flammable Liquid: Category 3.  
Serious Eye Damage/Irritation: Category 2B.  
Carcinogenicity: Category 2.  
Specific Target Organ Toxicity (single exposure): Category 1.  
Specific Target Organ Toxicity (repeated exposure): Category 1.

#### 2.2. Label elements

##### Signal word

Danger

## Symbols

Flame | Health Hazard |

## Pictograms



## Hazard Statements

Flammable liquid and vapor.

Causes eye irritation.

Suspected of causing cancer.

Causes damage to organs:

liver |

sensory organs |

Causes damage to organs through prolonged or repeated exposure:

respiratory system |

sensory organs |

May cause damage to organs through prolonged or repeated exposure:

liver |

## 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.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Ground/bond container and receiving equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Keep container tightly closed.

Use explosion-proof electrical/ventilating/lighting equipment.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wear protective gloves and eye/face protection.

Do not eat, drink or smoke when using this product.

Wash thoroughly after handling.

### Response:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

**Storage:**

Store in a well-ventilated place. Keep cool.  
Store locked up.

**Disposal:**

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

2% of the mixture consists of ingredients of unknown acute oral toxicity.

2% of the mixture consists of ingredients of unknown acute dermal toxicity.

2% of the mixture consists of ingredients of unknown acute inhalation toxicity.

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

| Ingredient       | C.A.S. No. | % by Wt                |
|------------------|------------|------------------------|
| Talc             | 14807-96-6 | 15 - 30 Trade Secret * |
| Styrene Monomer  | 100-42-5   | < 20 Trade Secret *    |
| Titanium Dioxide | 13463-67-7 | < 1 Trade Secret *     |

Any remaining components do not contribute to the hazards of this material.

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

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation:**

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

**Skin Contact:**

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

**Eye Contact:**

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

**If Swallowed:**

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

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

Target organ effects. See Section 11 for additional details. 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. 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

### Condition

During Combustion  
During Combustion

## 5.3. Special protective actions for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. 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. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. 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. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. 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

Cover spill area with a fire-extinguishing foam. 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 using non-sparking tools. Place in a metal 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

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. 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. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. Use personal protective equipment (gloves, respirators, etc.) as required. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapor accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

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

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidizing agents.

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### Occupational exposure limits

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

| Ingredient       | C.A.S. No. | Agency | Limit type                                                                                                      | Additional Comments                       |
|------------------|------------|--------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Styrene Monomer  | 100-42-5   | ACGIH  | TWA:10 ppm;STEL:20 ppm                                                                                          | A3: Confirmed animal carcin., Ototoxicant |
| Styrene Monomer  | 100-42-5   | OSHA   | TWA:100 ppm;CEIL:200 ppm                                                                                        |                                           |
| Titanium Dioxide | 13463-67-7 | ACGIH  | TWA(Respirable nanoscale particles):0.2 mg/m3;TWA(Respirable finescale particles):2.5 mg/m3                     | A3: Confirmed animal carcin.              |
| Titanium Dioxide | 13463-67-7 | OSHA   | TWA(as total dust):15 mg/m3                                                                                     |                                           |
| Talc             | 14807-96-6 | ACGIH  | TWA(respirable fraction):2 mg/m3                                                                                | A4: Not class. as human carcin            |
| Talc             | 14807-96-6 | OSHA   | TWA concentration(respirable):0.1 mg/m3(2.4 millions of particles/cu. ft.);TWA:20 millions of particles/cu. ft. |                                           |

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. Use explosion-proof ventilation 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: Fluoroelastomer

Polyvinyl Alcohol (PVA)

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

Pungent Styrene

Odor threshold

No Data Available

pH

No Data Available

Melting point

No Data Available

Boiling Point

293.00 °F [Details:CONDITIONS: (Styrene)]

Flash Point

80 - 82 °F [Test Method:Closed Cup]

Evaporation rate

0.1 - 0.5

Flammability (solid, gas)

Not Applicable

Flammable Limits(LEL)

0.9 %

Flammable Limits(UEL)

6.8 %

Vapor Pressure

5.2 mmHg [Details:CONDITIONS: at 20 C]

Vapor Density

3.6

Density

9.5126 lb/gal

Density

1.14 g/ml

Specific Gravity

1.14 [Ref Std:WATER=1]

Solubility in Water

Negligible

Solubility- non-water

No Data Available

Partition coefficient: n-octanol/ water

No Data Available

Autoignition temperature

No Data Available

Decomposition temperature

No Data Available

Viscosity

168,000 - 192,000 centipoise

Hazardous Air Pollutants

0.372 lb HAPS/lb solids [Test Method:Calculated]

Volatile Organic Compounds

203 g/l [Test Method:calculated SCAQMD rule 443.1]

Volatile Organic Compounds

17.8 % weight [Test Method:calculated per CARB title 2]

Percent volatile

18.2 % weight

VOC Less H2O & Exempt Solvents

204 g/l [Test Method:calculated SCAQMD rule 443.1]

## 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. Stable under normal conditions. May become unstable at elevated temperatures and/or pressures.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

#### 10.4. Conditions to avoid

Heat  
Sparks and/or flames

#### 10.5. Incompatible materials

Strong acids  
Strong bases  
Strong oxidizing agents  
Alkali and alkaline earth metals

#### 10.6. Hazardous decomposition products

| <u>Substance</u>              | <u>Condition</u> |
|-------------------------------|------------------|
| Hydrocarbons                  | Not Specified    |
| Styrene Oxide                 | Not Specified    |
| Toxic Vapor, Gas, Particulate | 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:

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

##### Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

##### Ingestion:

May be harmful if swallowed.

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

May cause additional health effects (see below).

##### Additional Health Effects:

Single exposure may cause target organ effects:

Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

**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.

Ocular Effects: Signs/symptoms may include blurred or significantly impaired vision.

Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

**Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

| <b>Ingredient</b> | <b>CAS No.</b> | <b>Class Description</b>      | <b>Regulation</b>                           |
|-------------------|----------------|-------------------------------|---------------------------------------------|
| Styrene           | 100-42-5       | Grp. 2A: Probable human carc. | International Agency for Research on Cancer |
| Styrene           | 100-42-5       | Anticipated human carcinogen  | National Toxicology Program Carcinogens     |
| 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**

| <b>Name</b>      | <b>Route</b>                   | <b>Species</b> | <b>Value</b>                                            |
|------------------|--------------------------------|----------------|---------------------------------------------------------|
| 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 >2,000 - =5,000 mg/kg |
| Talc             | Dermal                         |                | LD50 estimated to be > 5,000 mg/kg                      |
| Talc             | Ingestion                      |                | LD50 estimated to be > 5,000 mg/kg                      |
| Styrene Monomer  | Dermal                         | Rat            | LD50 > 2,000 mg/kg                                      |
| Styrene Monomer  | Inhalation-Vapor (4 hours)     | Rat            | LC50 11.8 mg/l                                          |
| Styrene Monomer  | Ingestion                      | Rat            | LD50 5,000 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                                     |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| <b>Name</b>      | <b>Species</b>         | <b>Value</b>              |
|------------------|------------------------|---------------------------|
| Talc             | Rabbit                 | No significant irritation |
| Styrene Monomer  | Professional judgement | Mild irritant             |
| Titanium Dioxide | Rabbit                 | No significant irritation |

### Serious Eye Damage/Irritation

| Name             | Species                | Value                     |
|------------------|------------------------|---------------------------|
| Talc             | Rabbit                 | No significant irritation |
| Styrene Monomer  | Professional judgement | Moderate irritant         |
| Titanium Dioxide | Rabbit                 | No significant irritation |

### Skin Sensitization

| Name             | Species          | Value          |
|------------------|------------------|----------------|
| Styrene Monomer  | Guinea pig       | Not classified |
| Titanium Dioxide | Human and animal | Not classified |

### Respiratory Sensitization

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

### Germ Cell Mutagenicity

| Name             | Route    | Value                                                                        |
|------------------|----------|------------------------------------------------------------------------------|
| Talc             | In Vitro | Not mutagenic                                                                |
| Talc             | In vivo  | Not mutagenic                                                                |
| Styrene Monomer  | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Styrene Monomer  | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| Titanium Dioxide | In Vitro | Not mutagenic                                                                |
| Titanium Dioxide | In vivo  | Not mutagenic                                                                |

### Carcinogenicity

| Name             | Route      | Species                 | Value                                                                        |
|------------------|------------|-------------------------|------------------------------------------------------------------------------|
| Talc             | Inhalation | Rat                     | Some positive data exist, but the data are not sufficient for classification |
| Styrene Monomer  | Ingestion  | Mouse                   | Carcinogenic                                                                 |
| Styrene Monomer  | Inhalation | Human and animal        | Carcinogenic                                                                 |
| Titanium Dioxide | Ingestion  | Multiple animal species | Not carcinogenic                                                             |
| Titanium Dioxide | Inhalation | Rat                     | Carcinogenic                                                                 |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name            | Route      | Value                                  | Species | Test Result        | Exposure Duration    |
|-----------------|------------|----------------------------------------|---------|--------------------|----------------------|
| Talc            | Ingestion  | Not classified for development         | Rat     | NOAEL 1,600 mg/kg  | during organogenesis |
| Styrene Monomer | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 21 mg/kg/day | 3 generation         |
| Styrene Monomer | Inhalation | Not classified for female reproduction | Rat     | NOAEL 2.1 mg/l     | 2 generation         |

|                 |            |                                      |                         |                     |                  |
|-----------------|------------|--------------------------------------|-------------------------|---------------------|------------------|
| Styrene Monomer | Inhalation | Not classified for male reproduction | Rat                     | NOAEL 2.1 mg/l      | 2 generation     |
| Styrene Monomer | Ingestion  | Not classified for male reproduction | Rat                     | NOAEL 400 mg/kg/day | 60 days          |
| Styrene Monomer | Ingestion  | Not classified for development       | Rat                     | NOAEL 400 mg/kg/day | during gestation |
| Styrene Monomer | Inhalation | Not classified for development       | Multiple animal species | NOAEL 2.1 mg/l      | during gestation |

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure

| Name            | Route      | Target Organ(s)                   | Value                             | Species                 | Test Result         | Exposure Duration     |
|-----------------|------------|-----------------------------------|-----------------------------------|-------------------------|---------------------|-----------------------|
| Styrene Monomer | Inhalation | auditory system                   | Causes damage to organs           | Multiple animal species | LOAEL 4.3 mg/l      | not available         |
| Styrene Monomer | Inhalation | liver                             | Causes damage to organs           | Mouse                   | LOAEL 2.1 mg/l      | not available         |
| Styrene Monomer | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human                   | NOAEL Not available | occupational exposure |
| Styrene Monomer | Inhalation | respiratory irritation            | May cause respiratory irritation  | Human and animal        | NOAEL Not available |                       |
| Styrene Monomer | Inhalation | endocrine system                  | Not classified                    | Rat                     | NOAEL Not available | not available         |
| Styrene Monomer | Inhalation | kidney and/or bladder             | Not classified                    | Multiple animal species | NOAEL 2.1 mg/l      | not available         |

### 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             |
| Styrene Monomer | Inhalation | auditory system                                                                                    | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL not available | occupational exposure |
| Styrene Monomer | Inhalation | eyes                                                                                               | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL Not available | occupational exposure |
| Styrene Monomer | Inhalation | liver                                                                                              | May cause damage to organs though prolonged or repeated exposure             | Mouse                   | LOAEL 0.85 mg/l     | 13 weeks              |
| Styrene Monomer | Inhalation | nervous system                                                                                     | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | LOAEL 1.1 mg/l      | not available         |
| Styrene Monomer | Inhalation | hematopoietic system                                                                               | Not classified                                                               | Rat                     | NOAEL 0.85 mg/l     | 7 days                |
| Styrene Monomer | Inhalation | endocrine system                                                                                   | Not classified                                                               | Rat                     | NOAEL 0.6 mg/l      | 10 days               |
| Styrene Monomer | Inhalation | respiratory system                                                                                 | Not classified                                                               | Multiple animal species | LOAEL 0.09 mg/l     | not available         |
| Styrene Monomer | Inhalation | heart   gastrointestinal tract   bone, teeth, nails, and/or hair   muscles   kidney and/or bladder | Not classified                                                               | Multiple animal species | NOAEL 4.3 mg/l      | 2 years               |
| Styrene Monomer | Ingestion  | nervous system                                                                                     | Some positive data exist, but the data are not sufficient for classification | Rat                     | LOAEL 500 mg/kg/day | 8 weeks               |

|                  |            |                               |                                                                              |                         |                     |                       |
|------------------|------------|-------------------------------|------------------------------------------------------------------------------|-------------------------|---------------------|-----------------------|
| Styrene Monomer  | Ingestion  | immune system                 | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL Not available | not available         |
| Styrene Monomer  | Ingestion  | liver   kidney and/or bladder | Not classified                                                               | Rat                     | NOAEL 677 mg/kg/day | 6 months              |
| Styrene Monomer  | Ingestion  | hematopoietic system          | Not classified                                                               | Dog                     | NOAEL 600 mg/kg/day | 470 days              |
| Styrene Monomer  | Ingestion  | heart   respiratory system    | Not classified                                                               | Rat                     | NOAEL 35 mg/kg/day  | 105 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 |

#### Aspiration Hazard

| Name            | Value             |
|-----------------|-------------------|
| Styrene Monomer | 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.

Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

EPA Hazardous Waste Number (RCRA): D001 (Ignitable)

## 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**

Flammable (gases, aerosols, liquids, or solids)

**Health Hazards**

Carcinogenicity

Serious eye damage or eye irritation

Specific target organ toxicity (single or repeated exposure)

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

Styrene Monomer

**C.A.S. No**

100-42-5

**% by Wt**

Trade Secret &lt; 20

**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:** 1 **Flammability:** 3 **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.

**Document Group:** 44-2981-7**Issue Date:** 05/10/23**Version Number:** 1.00**Supersedes Date:**

1.00

Initial Issue

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|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
| <b>Document group:</b> | 24-2444-8  | <b>Version number:</b>  | 12.00      |
| <b>Issue Date:</b>     | 2023/04/06 | <b>Supersedes Date:</b> | 2023/01/17 |

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

### SECTION 1: Identification

#### 1.1. Product identifier

3M(TM) Bondo Lightweight Body Filler 261C, 262C, 265C

##### Product Identification Numbers

|                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|
| LB-K100-0411-7 | LB-K100-0411-8 | LB-K100-0411-9 | LB-K100-0423-8 | LB-K100-0571-7 |
| LB-K100-0571-8 | LB-K100-0902-7 | LB-K100-2632-1 | 41-0003-6562-1 | 41-0003-6642-1 |
| 41-0003-6715-5 | 41-0003-8166-9 | 41-1701-0084-0 | 41-3701-1570-5 |                |

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

##### Intended Use

Automotive

##### Specific Use

Body Repair

##### Restrictions on use

Not applicable

#### 1.3. Supplier's details

|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| <b>Company:</b>   | 3M Canada Company                                                      |
| <b>Division:</b>  | Construction and Home Improvement Markets                              |
| <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 / 1-800-364-3577; Transportation Emergency Telephone (CANUTEC): (613) 996-6666

### SECTION 2: Hazard identification

The following product identification number(s) are sold in the consumer market place:  
60455088835

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

Flammable Liquid: Category 3.  
Serious Eye Damage/Irritation: Category 2B.  
Carcinogenicity: Category 2.  
Specific Target Organ Toxicity (single exposure): Category 1.  
Specific Target Organ Toxicity (repeated exposure): Category 1.

## 2.2. Label elements

### Signal word

Danger

### Symbols

Flame | Health Hazard |

### Pictograms



### Hazard statements

Flammable liquid and vapour.  
Causes eye irritation. Suspected of causing cancer.  
Causes damage to organs: liver | sensory organs |

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

### 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Use non-sparking tools. Take action to prevent static discharges. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash exposed skin thoroughly after handling.

#### Response:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. 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. In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

#### Storage:

Store in a well-ventilated place. Keep cool. Store locked up.

#### Disposal:

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

## 2.3. Other hazards

None known.

2% of the mixture consists of ingredients of unknown acute oral toxicity.

2% of the mixture consists of ingredients of unknown acute dermal toxicity.

2% of the mixture consists of ingredients of unknown acute inhalation toxicity.

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

This material is a mixture.

| <b>Ingredient</b>           | <b>C.A.S. No.</b> | <b>% by Wt</b>         | <b>Common Name</b>                                                      |
|-----------------------------|-------------------|------------------------|-------------------------------------------------------------------------|
| Polyester resin             | Trade Secret      | 15 - 40                | Not Applicable                                                          |
| Styrene Monomer             | 100-42-5          | 10 - 30 Trade Secret * | Benzene, ethenyl-                                                       |
| Talc                        | 14807-96-6        | 10 - 30 Trade Secret * | Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) |
| Magnesium Carbonate         | 546-93-0          | 7 - 15                 | Carbonic acid, magnesium salt (1:1)                                     |
| Limestone                   | 1317-65-3         | < 10                   | Limestonests primarily of calcium carbonate.                            |
| Inert Filler                | Trade Secret      | 3 - 7                  | Not Applicable                                                          |
| Chlorite                    | 1318-59-8         | < 2                    | Chlorite-group minerals                                                 |
| Dolomite                    | 16389-88-1        | < 2                    | Dolomite (CaMg(CO <sub>3</sub> ) <sub>2</sub> )                         |
| Organophilic Phyllosilicate | Trade Secret      | < 2                    | Not Applicable                                                          |
| Titanium Dioxide            | 13463-67-7        | 0.1 - 1 Trade Secret * | Titanium oxide (TiO <sub>2</sub> )                                      |

Polyester Resin is a non-hazardous Trade Secret material according to WHMIS criteria.

Organophilic Phyllosilicate is a non-hazardous Trade Secret material according to WHMIS criteria.

Inert Filler is a non-hazardous Trade Secret material according to WHMIS criteria.

\*The actual concentration of this ingredient has been withheld as a trade secret.

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

##### **Inhalation:**

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

##### **Skin Contact:**

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

##### **Eye Contact:**

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

##### **If Swallowed:**

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

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

Target organ effects. See Section 11 for additional details. 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. 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

**Condition**

During Combustion

During Combustion

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

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. 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. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. 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. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. 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**

Cover spill area with a fire-extinguishing foam. 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 using non-sparking tools. Place in a metal 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**

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. 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.) Wear low static or properly grounded shoes. Use personal protective equipment (gloves, respirators, etc.) as required. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapor accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

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

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidizing agents.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

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

| <b>Ingredient</b> | <b>C.A.S. No.</b> | <b>Agency</b>           | <b>Limit type</b>                                                                                          | <b>Additional Comments</b> |
|-------------------|-------------------|-------------------------|------------------------------------------------------------------------------------------------------------|----------------------------|
| Styrene Monomer   | 100-42-5          | ACGIH                   | TWA:10 ppm;STEL:20 ppm                                                                                     |                            |
| Titanium Dioxide  | 13463-67-7        | ACGIH                   | TWA(Respirable nanoscale particles):0.2 mg/m3;TWA(Respirable finescale particles):2.5 mg/m3                |                            |
| Talc              | 14807-96-6        | ACGIH                   | TWA(respirable fraction):2 mg/m3                                                                           |                            |
| Inert Filler      | Trade Secret      | Manufacturer determined | TWA(as non-fibrous, respirable)(8 hours):3 mg/m3;TWA(as non-fibrous, inhalable fraction)(8 hours):10 mg/m3 |                            |
| Inert Filler      | Trade Secret      | ACGIH                   | TWA(as fiber):0.2 fiber/cc                                                                                 |                            |
| Inert Filler      | Trade Secret      | ACGIH                   | TWA(as fiber):1 fiber/cc                                                                                   |                            |
| Inert Filler      | Trade Secret      | ACGIH                   | TWA(inhalable fraction):5 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. Use explosion-proof ventilation 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: Fluoroelastomer

Polyvinyl Alcohol (PVA)  
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 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                                                  |
| Specific Physical Form:                       | Paste                                                   |
| Colour                                        | White                                                   |
| Odour                                         | Pungent Styrene                                         |
| Odour threshold                               | No Data Available                                       |
| pH                                            | No Data Available                                       |
| Melting point/Freezing point                  | No Data Available                                       |
| Boiling point                                 | 145 °C [Details:CONDITIONS: (Styrene)]                  |
| Flash Point                                   | 26.7 °C - 27.8 °C [Test Method:Closed Cup]              |
| Evaporation rate                              | 0.1 - 0.5                                               |
| Flammability (solid, gas)                     | Not Applicable                                          |
| Flammable Limits(LEL)                         | 0.9 %                                                   |
| Flammable Limits(UEL)                         | 6.8 %                                                   |
| Vapour Pressure                               | 693.3 Pa [Details:CONDITIONS: at 20 C]                  |
| Vapour Density and/or Relative Vapour Density | 3.6                                                     |
| Density                                       | 1.1 kg/l                                                |
| Density                                       | 1.14 g/ml                                               |
| Relative density                              | 1.14 [Ref Std:WATER=1]                                  |
| Water solubility                              | Negligible                                              |
| Solubility- non-water                         | No Data Available                                       |
| Partition coefficient: n-octanol/ water       | No Data Available                                       |
| Autoignition temperature                      | No Data Available                                       |
| Decomposition temperature                     | No Data Available                                       |
| Viscosity/Kinematic Viscosity                 | 168,000 - 192,000 mPa-s                                 |
| Volatile Organic Compounds                    | 203 g/l [Test Method:calculated SCAQMD rule 443.1]      |
| Volatile Organic Compounds                    | 17.8 % weight [Test Method:calculated per CARB title 2] |
| Percent volatile                              | 18.2 % weight                                           |
| VOC Less H2O & Exempt Solvents                | 204 g/l [Test Method:calculated SCAQMD rule 443.1]      |

## 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. Stable under normal conditions. May become unstable at elevated temperatures and/or pressures.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Heat  
Sparks and/or flames

### 10.5. Incompatible materials

Strong acids  
Strong bases  
Strong oxidizing agents  
Alkali and alkaline earth metals

### 10.6. Hazardous decomposition products

| <u>Substance</u>              | <u>Condition</u> |
|-------------------------------|------------------|
| Hydrocarbons                  | Not Specified    |
| Styrene Oxide                 | Not Specified    |
| Toxic Vapor, Gas, Particulate | 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:

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

#### Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

#### Ingestion:

May be harmful if swallowed. Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea. May cause additional health effects (see below).

#### Additional Health Effects:

#### Single exposure may cause target organ effects:

Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears. Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

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

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Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests. Ocular Effects: Signs/symptoms may include blurred or significantly impaired vision. Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears. Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

**Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

| <b>Ingredient</b> | <b>CAS No.</b> | <b>Class Description</b>      | <b>Regulation</b>                           |
|-------------------|----------------|-------------------------------|---------------------------------------------|
| Inert Filler      | Trade Secret   | Anticipated human carcinogen  | National Toxicology Program Carcinogens     |
| Styrene           | 100-42-5       | Grp. 2A: Probable human carc. | International Agency for Research on Cancer |
| Styrene           | 100-42-5       | Anticipated human carcinogen  | National Toxicology Program Carcinogens     |
| 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**

| <b>Name</b>         | <b>Route</b>                   | <b>Species</b>         | <b>Value</b>                                            |
|---------------------|--------------------------------|------------------------|---------------------------------------------------------|
| 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 >2,000 - =5,000 mg/kg |
| Polyester resin     | Dermal                         |                        | LD50 estimated to be > 5,000 mg/kg                      |
| Polyester resin     | Ingestion                      |                        | LD50 estimated to be 2,000 - 5,000 mg/kg                |
| Talc                | Dermal                         |                        | LD50 estimated to be > 5,000 mg/kg                      |
| Talc                | Ingestion                      |                        | LD50 estimated to be > 5,000 mg/kg                      |
| Styrene Monomer     | Dermal                         | Rat                    | LD50 > 2,000 mg/kg                                      |
| Styrene Monomer     | Inhalation-Vapor (4 hours)     | Rat                    | LC50 11.8 mg/l                                          |
| Styrene Monomer     | Ingestion                      | Rat                    | LD50 5,000 mg/kg                                        |
| Magnesium Carbonate | Dermal                         | Professional judgement | LD50 estimated to be 2,000 - 5,000 mg/kg                |
| Magnesium Carbonate | Ingestion                      | Rat                    | LD50 > 2,000 mg/kg                                      |
| Inert Filler        | Dermal                         |                        | LD50 estimated to be > 5,000 mg/kg                      |
| Inert Filler        | Ingestion                      |                        | LD50 estimated to be 2,000 - 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                                        |
| Chlorite            | Dermal                         |                        | LD50 estimated to be > 5,000 mg/kg                      |
| Chlorite            | Ingestion                      |                        | LD50 estimated to be > 5,000 mg/kg                      |
| Dolomite            | Dermal                         |                        | LD50 estimated to be 2,000 - 5,000 mg/kg                |
| Dolomite            | Ingestion                      | Rat                    | LD50 > 2,000 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                                     |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| <b>Name</b> | <b>Species</b> | <b>Value</b> |
|-------------|----------------|--------------|
|-------------|----------------|--------------|

|                     |                        |                           |
|---------------------|------------------------|---------------------------|
| Talc                | Rabbit                 | No significant irritation |
| Styrene Monomer     | Professional judgement | Mild irritant             |
| Magnesium Carbonate | In vitro data          | No significant irritation |
| Inert Filler        | Professional judgement | No significant irritation |
| Limestone           | Rabbit                 | No significant irritation |
| Chlorite            | Professional judgement | No significant irritation |
| Dolomite            | Professional judgement | No significant irritation |
| Titanium Dioxide    | Rabbit                 | No significant irritation |

**Serious Eye Damage/Irritation**

| Name                | Species                | Value                     |
|---------------------|------------------------|---------------------------|
| Talc                | Rabbit                 | No significant irritation |
| Styrene Monomer     | Professional judgement | Moderate irritant         |
| Magnesium Carbonate | Rabbit                 | Mild irritant             |
| Inert Filler        | Professional judgement | No significant irritation |
| Limestone           | Rabbit                 | No significant irritation |
| Chlorite            | Professional judgement | No significant irritation |
| Dolomite            | Professional judgement | No significant irritation |
| Titanium Dioxide    | Rabbit                 | No significant irritation |

**Skin Sensitization**

| Name             | Species          | Value          |
|------------------|------------------|----------------|
| Styrene Monomer  | Guinea pig       | Not classified |
| Titanium Dioxide | Human and animal | Not classified |

**Respiratory Sensitization**

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

**Germ Cell Mutagenicity**

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

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|                  |          |                                                                              |
|------------------|----------|------------------------------------------------------------------------------|
| Styrene Monomer  | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Styrene Monomer  | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| Inert Filler     | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Titanium Dioxide | In Vitro | Not mutagenic                                                                |
| Titanium Dioxide | In vivo  | Not mutagenic                                                                |

**Carcinogenicity**

| Name             | Route      | Species                 | Value                                                                        |
|------------------|------------|-------------------------|------------------------------------------------------------------------------|
| Talc             | Inhalation | Rat                     | Some positive data exist, but the data are not sufficient for classification |
| Styrene Monomer  | Ingestion  | Mouse                   | Carcinogenic                                                                 |
| Styrene Monomer  | Inhalation | Human and animal        | Carcinogenic                                                                 |
| Inert Filler     | Inhalation | 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                                                                 |

**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         |
| Styrene Monomer | Ingestion  | Not classified for female reproduction | Rat                     | NOAEL 21 mg/kg/day  | 3 generation                 |
| Styrene Monomer | Inhalation | Not classified for female reproduction | Rat                     | NOAEL 2.1 mg/l      | 2 generation                 |
| Styrene Monomer | Inhalation | Not classified for male reproduction   | Rat                     | NOAEL 2.1 mg/l      | 2 generation                 |
| Styrene Monomer | Ingestion  | Not classified for male reproduction   | Rat                     | NOAEL 400 mg/kg/day | 60 days                      |
| Styrene Monomer | Ingestion  | Not classified for development         | Rat                     | NOAEL 400 mg/kg/day | during gestation             |
| Styrene Monomer | Inhalation | Not classified for development         | Multiple animal species | NOAEL 2.1 mg/l      | during gestation             |
| Limestone       | Ingestion  | Not classified for development         | Rat                     | NOAEL 625 mg/kg/day | premating & during gestation |

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

| Name            | Route      | Target Organ(s)                   | Value                             | Species                 | Test result         | Exposure Duration     |
|-----------------|------------|-----------------------------------|-----------------------------------|-------------------------|---------------------|-----------------------|
| Styrene Monomer | Inhalation | auditory system                   | Causes damage to organs           | Multiple animal species | LOAEL 4.3 mg/l      | not available         |
| Styrene Monomer | Inhalation | liver                             | Causes damage to organs           | Mouse                   | LOAEL 2.1 mg/l      | not available         |
| Styrene Monomer | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human                   | NOAEL Not available | occupational exposure |
| Styrene Monomer | Inhalation | respiratory irritation            | May cause respiratory irritation  | Human and animal        | NOAEL Not available |                       |

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|                 |            |                       |                |                         |                     |               |
|-----------------|------------|-----------------------|----------------|-------------------------|---------------------|---------------|
| Styrene Monomer | Inhalation | endocrine system      | Not classified | Rat                     | NOAEL Not available | not available |
| Styrene Monomer | Inhalation | kidney and/or bladder | Not classified | Multiple animal species | NOAEL 2.1 mg/l      | not available |
| Limestone       | Inhalation | respiratory system    | Not classified | Rat                     | NOAEL 0.812 mg/l    | 90 minutes    |

**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             |
| Styrene Monomer  | Inhalation | auditory system                                                                                    | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL not available | occupational exposure |
| Styrene Monomer  | Inhalation | eyes                                                                                               | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL Not available | occupational exposure |
| Styrene Monomer  | Inhalation | liver                                                                                              | May cause damage to organs though prolonged or repeated exposure             | Mouse                   | LOAEL 0.85 mg/l     | 13 weeks              |
| Styrene Monomer  | Inhalation | nervous system                                                                                     | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | LOAEL 1.1 mg/l      | not available         |
| Styrene Monomer  | Inhalation | hematopoietic system                                                                               | Not classified                                                               | Rat                     | NOAEL 0.85 mg/l     | 7 days                |
| Styrene Monomer  | Inhalation | endocrine system                                                                                   | Not classified                                                               | Rat                     | NOAEL 0.6 mg/l      | 10 days               |
| Styrene Monomer  | Inhalation | respiratory system                                                                                 | Not classified                                                               | Multiple animal species | LOAEL 0.09 mg/l     | not available         |
| Styrene Monomer  | Inhalation | heart   gastrointestinal tract   bone, teeth, nails, and/or hair   muscles   kidney and/or bladder | Not classified                                                               | Multiple animal species | NOAEL 4.3 mg/l      | 2 years               |
| Styrene Monomer  | Ingestion  | nervous system                                                                                     | Some positive data exist, but the data are not sufficient for classification | Rat                     | LOAEL 500 mg/kg/day | 8 weeks               |
| Styrene Monomer  | Ingestion  | immune system                                                                                      | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL Not available | not available         |
| Styrene Monomer  | Ingestion  | liver   kidney and/or bladder                                                                      | Not classified                                                               | Rat                     | NOAEL 677 mg/kg/day | 6 months              |
| Styrene Monomer  | Ingestion  | hematopoietic system                                                                               | Not classified                                                               | Dog                     | NOAEL 600 mg/kg/day | 470 days              |
| Styrene Monomer  | Ingestion  | heart   respiratory system                                                                         | Not classified                                                               | Rat                     | NOAEL 35 mg/kg/day  | 105 weeks             |
| Inert Filler     | Inhalation | respiratory system                                                                                 | Not classified                                                               | Human                   | NOAEL not available | occupational exposure |
| Limestone        | Inhalation | respiratory system                                                                                 | Not classified                                                               | Human                   | NOAEL Not available | occupational exposure |
| 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 |

**Aspiration Hazard**

| Name            | Value             |
|-----------------|-------------------|
| Styrene Monomer | 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

No data available.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

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

Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. 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 manufacturer 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 Philippines RA 6969 requirements. 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. 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: 1 Flammability: 3 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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**3M Canada SDSs are available at [www.3M.ca](http://www.3M.ca)**



## Fiche santé sécurité

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**Groupe de document :** 24-2444-8  
**Date de parution :** 2023/04/06

**Numéro de la version :** 12.00  
**Remplace la version datée de :** 2023/01/17

Cette fiche de données de sécurité est conforme au Règlement sur les produits dangereux Canadiens.

## SECTION 1 : Identification

### 1.1 Identifiant du produit

Matériaux de remplissage léger pour carrosserie 261C, 262C, 265C Bondo 3M(MC)

#### Numéros d'identification de produit

|                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|
| LB-K100-0411-7 | LB-K100-0411-8 | LB-K100-0411-9 | LB-K100-0423-8 | LB-K100-0571-7 |
| LB-K100-0571-8 | LB-K100-0902-7 | LB-K100-2632-1 | 41-0003-6562-1 | 41-0003-6642-1 |
| 41-0003-6715-5 | 41-0003-8166-9 | 41-1701-0084-0 | 41-3701-1570-5 |                |

### 1.2 Utilisations recommandées et restrictions d'utilisation

#### Utilisation prévue

Produits automobiles

#### Utilisation spécifique

Réparation de carrosserie

#### Restrictions d'utilisation

Ne s'applique pas

### 1.3 Détails du fournisseur

**Compagnie:** Compagnie 3M Canada  
**Division:** Marchés de la construction et de la rénovation  
**Adresse :** 1840, rue d'Oxford Est, Case Postale 5757, London, Ontario N6A 4T1  
**Téléphone :** (800) 364-3577  
**Site Web :** www.3M.ca

### 1.4 Numéro de téléphone d'urgence

Téléphone d'urgence medical:1-800-3M HELPS / 1-800-364-3577; Téléphone d'urgence de transport(CANUTEC):(613) 996-6666

## SECTION 2 : identification des dangers

Les numéros d'identification de produit ci-dessous sont vendus sur le marché pour le consommateur :  
60455088835

## **2.1. Classification de la substance ou du mélange**

Liquide inflammable : Catégorie 3.

Grave problème/Irritation oculaire : Catégorie 2B :

Carcinogénicité : Catégorie 2.

Toxicité pour certains organes cibles (exposition unique) Catégorie 1.

Toxicité pour certains organes cibles (exposition répétée) Catégorie 1.

## **2.2. Éléments d'étiquette**

### **Terme d'avertissement**

Danger

### **Symboles :**

Flamme | Risque pour la santé |

### **Pictogrammes**



### **Mentions de danger**

Liquides et vapeur inflammables.

Provoque une irritation des yeux. Susceptible de provoquer le cancer.

Cause des dommages aux organes : foie | organes sensoriels |

Une exposition prolongée ou répétée cause des dommages aux organes : système respiratoire | organes sensoriels |  
Risque présumé d'effets graves pour les organes à la suite d'expositions répétées ou d'une exposition prolongée : foie |

### **Mises en garde**

#### **Renseignements généraux :**

Tenir hors de portée des enfants.

### **Prévention :**

Obtenir les directives spéciales avant d'utiliser. Ne pas manipuler avant d'avoir lu et compris toutes les précautions de sécurité. Tenir à l'écart de la chaleur, des surfaces chaudes, des étincelles, des flammes nues et de toute autre source d'ignition. Ne pas fumer. Mettre à la terre/sceller le contenant et le matériel de réception. N'utiliser que des outils ne produisant pas d'étincelles. Prendre les mesures de précaution qui s'imposent contre les décharges de statique. Conserver le récipient bien fermé. Utiliser du matériel d'éclairage, de ventilation, électrique à l'épreuve des explosions. Ne pas respirer les poussières, fumées, brouillards, gaz, vapeurs ou émanations. Porter des gants et un dispositif de protection pour les yeux et le visage. Ne pas manger, boire ou fumer en utilisant le produit. Laver soigneusement la peau exposée après manipulation.

### **Réponse:**

EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): Enlever immédiatement tous les vêtements contaminés. Rincer la peau à l'eau/Se doucher. EN CAS DE CONTACT AVEC LES YEUX : Rincer prudemment avec de l'eau pendant plusieurs minutes. Retirer les verres de contact éventuels, si ceci peut être fait facilement. Continuer à rincer. Si l'irritation oculaire persiste : Consulter un médecin. En cas d'exposition prouvée ou suspectée: Consulter un médecin. En cas d'incendie : Utiliser un agent extincteur approprié pour les liquides et les solides inflammables, comme une poudre chimique ou du dioxyde de carbone.

### **Entreposage :**

Entreposer dans un endroit bien ventilé. Garder au frais. Garder sous clef.

### **Élimination :**

Éliminer les contenus/contenants conformément aux règlements locaux, régionaux, nationaux et internationaux applicables.

### 2.3. Autres risques

Aucun connu.

2% du mélange consiste en des ingrédients de toxicité orale aiguë inconnue.

2% du mélange consiste en des ingrédients de toxicité cutanée aiguë.

2% du mélange consiste en des ingrédients de toxicité par inhalation aiguë inconnue.

## SECTION 3 : Composition/renseignements sur les ingrédients

Ce matériau est un mélange.

| Ingrédient                        | Numéro CAS         | % par poids                  | Nom Commun                                                              |
|-----------------------------------|--------------------|------------------------------|-------------------------------------------------------------------------|
| Résine de polyester               | Secret Fabrication | 15 - 40                      | Ne s'applique pas                                                       |
| Styrène monomère                  | 100-42-5           | 10 - 30 Secret Fabrication * | Benzène, ethenyl-                                                       |
| Talc                              | 14807-96-6         | 10 - 30 Secret Fabrication * | Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) |
| Carbonate de magnésium            | 546-93-0           | 7 - 15                       | Acide Carbonique, Sel de magnésium (1:1)                                |
| Calcaire                          | 1317-65-3          | < 10                         | Le calcaire se compose principalement de carbonate de calcium.          |
| Charge inerte                     | Secret Fabrication | 3 - 7                        | Ne s'applique pas                                                       |
| Chlorite                          | 1318-59-8          | < 2                          | Minéraux du groupe de la chlorite                                       |
| Dolomite                          | 16389-88-1         | < 2                          | Dolomite (CaMg(CO <sub>3</sub> ) <sub>2</sub> )                         |
| Silicate lamellaire d'organophile | Secret Fabrication | < 2                          | Not Applicable                                                          |
| Dioxyde de Titane                 | 13463-67-7         | 0.1 - 1 Secret Fabrication * | Oxyde de titane (TiO <sub>2</sub> )                                     |

Résine polyester est un matériau non dangereux assujetti au secret de fabrication, selon les critères du SIMDUT.

Silicate lamellaire d'organophile est un matériau non dangereux assujetti au secret de fabrication, selon les critères du SIMDUT.

Charge inerte est un matériau non dangereux assujetti au secret de fabrication, selon les critères du SIMDUT.

\*La concentration réelle de cet ingrédient a été retenue comme un secret commercial.

## SECTION 4 : Premiers soins

### 4.1. Description des premiers soins

#### Inhalation :

Donner de l'air frais. En cas de malaise, consulter un médecin.

#### Contact avec la peau :

Laver immédiatement avec de l'eau et du savon. Retirer les vêtements contaminés et les laver avant de les porter de nouveau. Si des signes ou des symptômes apparaissent, consulter un médecin.

#### En cas de contact avec les yeux :

Laver les yeux immédiatement avec beaucoup d'eau pendant au moins 15 minutes. Enlever les lentilles de contact si cela est facile à faire. Continuer à rincer. Consulter immédiatement un ophtalmologiste.

#### En cas d'ingestion :

Rincer la bouche. En cas de malaise, consulter un médecin.

### 4.2. Principaux symptômes et effets, tant aigus que différés

Effets sur les organes cibles. Voir la section 11 pour plus de détails. Effets sur les organes cibles suite à une exposition prolongée ou répétée. Voir la section 11 pour plus de détails.

#### 4.3. Indication de la nécessité éventuelle d'une prise en charge médicale immédiate et d'un traitement spécial

Non applicable.

## SECTION 5 : Mesures de lutte contre l'incendie

### 5.1. Moyens d'extinction appropriés

En cas d'incendie : Utiliser un agent extincteur approprié pour les liquides et les solides inflammables, comme une poudre chimique ou du dioxyde de carbone.

### 5.2. Dangers particuliers résultant de la substance ou du mélange

Les récipients fermés exposés à la chaleur peuvent exploser.

#### Les sous-produits nocifs de décomposition

| <u>Substance</u>    | <u>Condition</u>     |
|---------------------|----------------------|
| Monoxyde de carbone | Durant la combustion |
| Bioxyde de carbone  | Durant la combustion |

### 5.3. Équipement de protection spécial pour le personnel préposé à la lutte contre le feu

L'eau n'est pas un moyen d'extinction efficace. Cependant, on peut l'utiliser pour éviter l'échauffement des récipients et des surfaces exposés au feu et éviter les ruptures par explosion. Porter des vêtements complets de protection, y compris casque, respirateur autonome à pression positive ou à admission d'air par pression, imperméable et pantalon de feu, bandes élastiques autour des bras, de la taille et des jambes, masque facial et vêtement de protection pour les parties exposées de la tête.

## SECTION 6 : Mesures à prendre en cas de rejet accidentel

### 6.1. Précautions individuelles, équipement de protection et procédures d'urgence

Évacuer la zone. Conserver à l'écart de la chaleur, des étincelles, des flammes nues et des surfaces chaudes. Il est interdit de fumer. N'utiliser que des outils ne produisant pas d'étincelles. Ventiler la zone à l'air frais. Pour les grands déversements ou les déversements dans les espaces confinés, fournir une ventilation mécanique pour disperser ou évacuer les vapeurs, conformément aux bonnes pratiques d'hygiène industrielle. MISE EN GARDE! Un moteur pourrait constituer une source d'inflammation et provoquer un incendie ou une explosion des gaz ou des vapeurs inflammables présents dans la zone du déversement. Consulter les autres sections de cette fiche signalétique pour plus de renseignements sur les dangers physiques ou pour la santé, la protection respiratoire, la ventilation ainsi que le matériel de protection individuelle.

### 6.2. Précautions pour l'environnement

Éviter le rejet dans l'environnement. Pour les déversements plus importants, couvrir les drains et construire des digues pour éviter que le matériau ne se déverse dans le réseau d'égoûts ou les plans d'eau.

### 6.3. Méthodes et matériel de confinement et de nettoyage

Recouvrir le déversement avec une mousse extinctrice. Travailler de l'extérieur vers l'intérieur du déversement. Couvrir de bentonite, de vermiculite ou d'un matériau absorbant inorganique vendu sur le marché. Mélanger suffisamment d'agents absorbants jusqu'à ce que le déversement semble sec. Rappel : L'ajout d'un matériau absorbant n'élimine pas les dangers physiques ni les dangers pour la santé ou pour l'environnement. Ramasser le plus de produits déversés possibles en utilisant des outils ne provoquant pas d'étincelles. Placer dans un récipient métallique approuvé pour le transport par les autorités compétentes. Nettoyer les résidus avec un solvant approprié sélectionné par une personne qualifiée et autorisée. Aérer l'endroit avec de l'air frais. Lire et suivre les précautions énoncées sur l'étiquette et la FSSS du solvant. Fermer hermétiquement dans un récipient. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## SECTION 7 : Manipulation et entreposage

### 7.1. Précautions à prendre pour une manipulation sans danger

Tenir hors de portée des enfants. Ne pas manipuler avant d'avoir lu et compris toutes les précautions de sécurité. Conserver à l'écart de la chaleur, des étincelles, des flammes nues et des surfaces chaudes. Il est interdit de fumer. N'utiliser que des outils ne produisant pas d'étincelles. Prendre les mesures de sécurité qui s'imposent pour prévenir les décharges

d'électricité statique. Ne pas respirer les poussières, fumées, brouillards, gaz, vapeurs ou émanations. Éviter tout contact du produit avec les yeux, la peau ou les vêtements. Ne pas manger, boire ou fumer en utilisant le produit. Bien se laver les mains après utilisation du produit. Éviter le rejet dans l'environnement. Éviter tout contact avec des agents oxydants (comme le chlore, l'acide chromique, etc.). Porter des chaussures à faible statique ou correctement mises à la terre. Utiliser du matériel de protection individuelle (gants, respirateurs et autres) au besoin. Pour réduire les risques d'inflammation, déterminer les normes électriques applicables relatives à l'utilisation de ce produit et choisir le matériel de ventilation local approprié pour prévenir l'accumulation de vapeurs inflammables. Mettre à la masse/attacher les contenants et l'équipement de réception si de l'électricité statique peut s'accumuler pendant le transfert

## 7.2. Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités

Entreposer dans un endroit bien ventilé. Garder au frais. Conserver le récipient bien fermé. Entreposer à l'écart de la chaleur; Entreposer à l'écart des acides; Entreposer à l'écart des bases fortes. Entreposer à l'écart des oxydants.

## SECTION 8 : Contrôles d'exposition/protection personnelle

### 8.1. Paramètres de contrôle

#### Limites d'exposition en milieu de travail

Si un composant est divulgué à l'article 3, mais n'apparaît pas dans le tableau ci-dessous, une limite d'exposition professionnelle n'est pas disponible pour le composant.

| Ingrédient        | Numéro CAS         | Agence              | Type de limite                                                                                                                                 | Mentions additionnelles |
|-------------------|--------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Styrène monomère  | 100-42-5           | ACGIH               | MPT: 10 ppm; STEL: 20 ppm                                                                                                                      |                         |
| Dioxyde de Titane | 13463-67-7         | ACGIH               | TWA (particules nanométriques respirables) : 0,2 mg/m <sup>3</sup> ; TWA (particules fines respirables) : 2,5 mg/m <sup>3</sup>                |                         |
| Talc              | 14807-96-6         | ACGIH               | MPT(fraction respirable):2 mg/m <sup>3</sup>                                                                                                   |                         |
| Charge inerte     | Secret Fabrication | Fabricant déterminé | MPT(non fibreux, respirable)(8 heures):3 mg/m <sup>3</sup> ; MPT(sous forme de fraction inhalable non fibreuse)(8 heures):10 mg/m <sup>3</sup> |                         |
| Charge inerte     | Secret Fabrication | ACGIH               | MPT(comme fibre):0.2 fibre/cc                                                                                                                  |                         |
| Charge inerte     | Secret Fabrication | ACGIH               | MPT(fibre) :1 fibre/cm <sup>3</sup>                                                                                                            |                         |
| Charge inerte     | Secret Fabrication | ACGIH               | MPT (fraction inhalable): 5 mg/m <sup>3</sup>                                                                                                  |                         |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer Recommended Guideline

MPT : moyenne pondérée dans le temps

STEL : Limite d'exposition de courte durée

C : Valeur plafond

### 8.2. Contrôles d'exposition

#### 8.2.1. Mesures d'ingénierie

Disposer d'un appareil de ventilation par dilution générale et/ou d'un appareil de ventilation par aspiration localisé pour contrôler les niveaux d'exposition aux particules en suspension dans l'air et s'assurer qu'elles se situent en dessous des limites d'exposition applicables et pour contrôler les poussières, fumées, gaz, brouillards, vapeurs ou émanations. Si la ventilation n'est pas adéquate, utiliser un appareil de protection respiratoire. Utiliser du matériel de ventilation à l'épreuve des explosions.

## 8.2.2. équipement de protection individuelle

### Protection des yeux/du visage

Choisissez et utilisez protection des yeux/du visage pour éviter le contact basé sur les résultats d'une évaluation de l'exposition. Les protections des yeux suivantes sont recommandées:

Lunettes de sécurité avec écrans sur les côtés.

Lunettes de protection ouvertes.

### Protection de la peau/des mains

Sélectionner et porter des gants et/ou des vêtements de protection pour éviter tout contact avec la peau selon les résultats d'une évaluation du degré d'exposition. Consulter le fabricant de gants et/ou de vêtements de protection pour la sélection de matériaux compatibles appropriés. Les de gants en nitrile peuvent être portés par-dessus des gants de stratifié polymère pour améliorer la dextérité.

Des gants constitués du/des matériaux suivants sont recommandés: Elastomères fluorés

Alcool de polyvinyle (PVA)

polymère stratifié

### Protection respiratoire :

Une évaluation de l'exposition peut être nécessaire de décider si un appareil respiratoire est nécessaire. Si un appareil respiratoire est nécessaire, utiliser des masques dans le cadre d'un programme de protection respiratoire complet. Basé sur les résultats de l'évaluation de l'exposition, sélectionnez un des types de respirateur suivants afin de réduire l'exposition par inhalation:

Demi-masque respiratoire ou masque complet adapté pour des vapeurs organiques et des particules

Pour des questions concernant une utilisation spécifique, consulter le fabricant de votre appareil respiratoire.

## SECTION 9 : Propriétés chimiques et physiques

### 9.1. Informations sur les propriétés physiques et chimiques essentielles

|                                                     |                                                  |
|-----------------------------------------------------|--------------------------------------------------|
| État physique                                       | Liquide                                          |
| Aspect physique spécifique:                         | pâte                                             |
| couleur                                             | Blanc                                            |
| Odeur                                               | Styrène piquant                                  |
| Valeur de seuil d'odeur                             | <i>Pas de données disponibles</i>                |
| pH                                                  | <i>Pas de données disponibles</i>                |
| Point de fusion/Point de congélation                | <i>Pas de données disponibles</i>                |
| Point d'ébullition                                  | 145 °C [Détails:CONDITIONS: (Styrene)]           |
| Point d'éclair :                                    | 26,7 °C - 27,8 °C [Méthode de test:Coupe fermée] |
| Vitesse d'évaporation :                             | 0,1 - 0,5                                        |
| Inflammabilité (solide, gaz)                        | Ne s'applique pas                                |
| Limites d'explosivité (LIE)                         | 0,9 %                                            |
| Limites d'explosivité (LSI)                         | 6,8 %                                            |
| pression de vapeur                                  | 693,3 Pa [Détails:CONDITIONS: à 20 C]            |
| Densité de vapeur et/ou Densité de vapeur relative; | 3,6                                              |
| Densité                                             | 1,1 kg/l                                         |
| Densité                                             | 1,14 g/ml                                        |
| Densité relative                                    | 1,14 [Ref Std:Eau=1]                             |
| Hydrosolubilité                                     | Négligeable                                      |
| Solubilité (non-eau)                                | <i>Pas de données disponibles</i>                |
| Coefficient de partage : n-octanol/eau              | <i>Pas de données disponibles</i>                |
| Température d'inflammation spontanée                | <i>Pas de données disponibles</i>                |

|                                           |                                                                                |
|-------------------------------------------|--------------------------------------------------------------------------------|
| Température de décomposition              | <i>Pas de données disponibles</i>                                              |
| Viscosité / Viscosité Cinématique         | 168 000 - 192 000 mPa-s                                                        |
| Composés Organiques Volatils              | 203 g/l [ <i>Méthode de test</i> : Calculé selon le règlement 443.1 de SCAQMD] |
| Composés Organiques Volatils              | 17,8 % en poids [ <i>Méthode de test</i> : calculé selon CARB title2]          |
| Pourcentage de matières volatiles         | 18,2 % en poids                                                                |
| COV (moins l'eau et les solvants exempts) | 204 g/l [ <i>Méthode de test</i> : Calculé selon le règlement 443.1 de SCAQMD] |

## SECTION 10 : Stabilité et réactivité

### 10.1 Réactivité

Ce matériau pourrait s'avérer réactif avec certains agents et sous certaines conditions - consulter les autres titres de cette section.

### 10.2 Stabilité chimique

Stable. Stable dans des conditions normales. Peut devenir instable à des températures et / ou pressions élevées .

### 10.3 Possibilité de réactions dangereuses

Une polymérisation dangereuse ne se produira pas.

### 10.4 Condition à éviter

Chaleur  
Étincelles et/ou flammes

### 10.5 matériaux incompatibles

Acides puissants  
Bases fortes  
Agents oxydants forts.  
Métaux alcalins

### 10.6 Produits de décomposition dangereux

| <u>Substance</u>                | <u>Condition</u> |
|---------------------------------|------------------|
| Hydrocarbures                   | Non spécifié     |
| Oxyde de styrène                | Non spécifié     |
| Vapeur toxique, gaz, particule. | Non spécifié     |

Consulter la section 5.2 Décomposition dangereuse pour connaître la liste des produits de combustion.

## SECTION 11 : Renseignements toxicologiques

Les informations ci-dessous peuvent être inconsistantes avec la classification du produit dans la section 2 si les classifications de certains ingrédients sont attribuées par une autorité compétente. En outre, les données toxicologiques de certains ingrédients peuvent ne pas être reprises dans la classification du produit et/ou les signes et symptômes de l'exposition. Une cause possible est qu'un ingrédient peut être présent en dessous du seuil d'étiquetage un ingrédient peut être indisponible pour l'exposition ou les données ne s'appliquent pas au produit dans son ensemble.

### 11.1 Informations sur les effets toxicologiques

#### Signes et symptômes d'exposition

Selon les données d'essai et/ou les renseignements sur les composants, ce matériau peut produire les effets suivants sur la santé :

**Inhalation :**

Irritation des voies respiratoires: Les signes/symptômes peuvent inclure la toux, des éternuements, l'écoulement nasal, des maux de tête, l'enrouement et des douleurs au nez et à la gorge. Peut provoquer des effets additionnels sur la santé (voir ci-dessous).

**Contact avec la peau :**

Irritation légère de la peau : Parmi les signes ou les symptômes, on retrouve : rougeurs localisées, enflure, démangeaisons et sécheresse.

**En cas de contact avec les yeux :**

Irritation modérée des yeux: les symptômes peuvent inclure rougeurs, gonflements, douleurs, larmes, et vision brouillé ou floue.

**Ingestion :**

Peut être nocif si avalé. Irritation gastro-intestinale: Les signes/symptômes peuvent inclure: douleurs abdominales, maux d'estomac, nausées, vomissements et diarrhée. Peut provoquer des effets additionnels sur la santé (voir ci-dessous).

**Autres effets de santé:****Une exposition unique peut provoquer des effets sur l'organe cible:**

Répercussions auditives: Les signes ou symptômes peuvent comprendre une déficience auditive, une perte d'équilibre et des acouphènes. Effets sur le foie : Signes et symptômes probables : perte d'appétit, perte de poids, fatigue, faiblesse, douleurs abdominales et ictère.

**Risque présumé d'effets graves pour les organes à la suite d'expositions répétées ou d'une exposition prolongée.**

Pneumoconiose : les signes et les symptômes sont notamment une toux persistante, des essoufflements, des douleurs thoraciques, une augmentation des expectorations et des changements lors des examens de fonction respiratoire. Effets oculaires: Les signes/symptômes peuvent inclure une vision embrouillée ou une vision très réduite. Répercussions auditives: Les signes ou symptômes peuvent comprendre une déficience auditive, une perte d'équilibre et des acouphènes. Effets sur le foie : Signes et symptômes probables : perte d'appétit, perte de poids, fatigue, faiblesse, douleurs abdominales et ictère.

**Cancérogénicité:**

Contient un ou des produits chimiques qui peuvent causer le cancer.

| Ingrédient        | N° CAS       | Description de la classe                          | Réglementation                                           |
|-------------------|--------------|---------------------------------------------------|----------------------------------------------------------|
| Charge inerte     | Trade Secret | Probablement cancérogène pour l'homme.            | Agents carcinogènes selon le National Toxicology Program |
| Styrène           | 100-42-5     | Grp. 2A: Probablement cancérogène pour les hommes | Centre International de Recherche sur le Cancer          |
| Styrène           | 100-42-5     | Probablement cancérogène pour l'homme.            | Agents carcinogènes selon le National Toxicology Program |
| Dioxyde de titane | 13463-67-7   | Grp. 2B: Possibilité carc. des hommes             | Centre International de Recherche sur le Cancer          |

**Données toxicologiques**

Si un composant est listé en section 3 mais n'apparaît pas dans une table ci-dessous, soit aucune donnée n'est disponible pour ce danger, soit les données ne sont pas suffisantes pour établir une classification.

**Toxicité aigue**

| Nom                 | Voie                     | Espèces | Valeur                                                        |
|---------------------|--------------------------|---------|---------------------------------------------------------------|
| Produit général     | Dermale                  |         | Pas de données disponibles. Calculé ETA>5 000 mg/kg           |
| Produit général     | Inhalation - Vapeur(4 h) |         | Pas de données disponibles. Calculé ETA>50 mg/l               |
| Produit général     | Ingestion                |         | Pas de données disponibles. Calculé ETA >2 000 - =5 000 mg/kg |
| Résine de polyester | Dermale                  |         | LD50 estimée à > 5 000 mg/kg                                  |
| Résine de polyester | Ingestion                |         | LD50 estimée à 2 000 - 5 000 mg/kg                            |
| Talc                | Dermale                  |         | LD50 estimée à > 5 000 mg/kg                                  |

|                        |                                               |                        |                                    |
|------------------------|-----------------------------------------------|------------------------|------------------------------------|
| Talc                   | Ingestion                                     |                        | LD50 estimée à > 5 000 mg/kg       |
| Styrène monomère       | Dermale                                       | Rat                    | LD50 > 2 000 mg/kg                 |
| Styrène monomère       | Inhalation - Vapeur (4 heures)                | Rat                    | LC50 11,8 mg/l                     |
| Styrène monomère       | Ingestion                                     | Rat                    | LD50 5 000 mg/kg                   |
| Carbonate de magnésium | Dermale                                       | Jugement professionnel | LD50 estimée à 2 000 - 5 000 mg/kg |
| Carbonate de magnésium | Ingestion                                     | Rat                    | LD50 > 2 000 mg/kg                 |
| Charge inerte          | Dermale                                       |                        | LD50 estimée à > 5 000 mg/kg       |
| Charge inerte          | Ingestion                                     |                        | LD50 estimée à 2 000 - 5 000 mg/kg |
| Calcaire               | Dermale                                       | Rat                    | LD50 > 2 000 mg/kg                 |
| Calcaire               | Inhalation-poussières / brouillard (4 heures) | Rat                    | LC50 3 mg/l                        |
| Calcaire               | Ingestion                                     | Rat                    | LD50 6 450 mg/kg                   |
| Chlorite               | Dermale                                       |                        | LD50 estimée à > 5 000 mg/kg       |
| Chlorite               | Ingestion                                     |                        | LD50 estimée à > 5 000 mg/kg       |
| Dolomite               | Dermale                                       |                        | LD50 estimée à 2 000 - 5 000 mg/kg |
| Dolomite               | Ingestion                                     | Rat                    | LD50 > 2 000 mg/kg                 |
| Dioxyde de Titane      | Dermale                                       | Lapin                  | LD50 > 10 000 mg/kg                |
| Dioxyde de Titane      | Inhalation-poussières / brouillard (4 heures) | Rat                    | LC50 > 6,82 mg/l                   |
| Dioxyde de Titane      | Ingestion                                     | Rat                    | LD50 > 10 000 mg/kg                |

ETA = estimation de la toxicité aiguë

### Corrosion/irritation cutanée

| Nom                    | Espèces                | Valeur                          |
|------------------------|------------------------|---------------------------------|
| Talc                   | Lapin                  | Aucune irritation significative |
| Styrène monomère       | Jugement professionnel | irritant léger                  |
| Carbonate de magnésium | Données in Vitro       | Aucune irritation significative |
| Charge inerte          | Jugement professionnel | Aucune irritation significative |
| Calcaire               | Lapin                  | Aucune irritation significative |
| Chlorite               | Jugement professionnel | Aucune irritation significative |
| Dolomite               | Jugement professionnel | Aucune irritation significative |
| Dioxyde de Titane      | Lapin                  | Aucune irritation significative |

### Blessures graves aux yeux/Irritation

| Nom                    | Espèces                | Valeur                          |
|------------------------|------------------------|---------------------------------|
| Talc                   | Lapin                  | Aucune irritation significative |
| Styrène monomère       | Jugement professionnel | Irritant modéré                 |
| Carbonate de magnésium | Lapin                  | irritant léger                  |
| Charge inerte          | Jugement professionnel | Aucune irritation significative |
| Calcaire               | Lapin                  | Aucune irritation significative |
| Chlorite               | Jugement               | Aucune irritation significative |

|                   |                        |                                 |
|-------------------|------------------------|---------------------------------|
|                   | professionnel          |                                 |
| Dolomite          | Jugement professionnel | Aucune irritation significative |
| Dioxyde de Titane | Lapin                  | Aucune irritation significative |

**Sensibilisation de la peau**

| Nom               | Espèces         | Valeur        |
|-------------------|-----------------|---------------|
| Styrène monomère  | Cochon d'Inde   | Non classifié |
| Dioxyde de Titane | Homme et animal | Non classifié |

**Sensibilisation respiratoire**

| Nom  | Espèces | Valeur        |
|------|---------|---------------|
| Talc | Humain  | Non classifié |

**Mutagenicité des cellules germinales**

| Nom               | Voie     | Valeur                                                                                                            |
|-------------------|----------|-------------------------------------------------------------------------------------------------------------------|
| Talc              | In Vitro | N'est pas mutagène                                                                                                |
| Talc              | In vivo  | N'est pas mutagène                                                                                                |
| Styrène monomère  | In Vitro | Certaines données positives existent, mais ces données ne sont pas suffisantes pour justifier une classification. |
| Styrène monomère  | In vivo  | Certaines données positives existent, mais ces données ne sont pas suffisantes pour justifier une classification. |
| Charge inerte     | In Vitro | Certaines données positives existent, mais ces données ne sont pas suffisantes pour justifier une classification. |
| Dioxyde de Titane | In Vitro | N'est pas mutagène                                                                                                |
| Dioxyde de Titane | In vivo  | N'est pas mutagène                                                                                                |

**Cancérogénicité :**

| Nom               | Voie       | Espèces                   | Valeur                                                                                                            |
|-------------------|------------|---------------------------|-------------------------------------------------------------------------------------------------------------------|
| Talc              | Inhalation | Rat                       | Certaines données positives existent, mais ces données ne sont pas suffisantes pour justifier une classification. |
| Styrène monomère  | Ingestion  | Mouris                    | Cancérogène                                                                                                       |
| Styrène monomère  | Inhalation | Homme et animal           | Cancérogène                                                                                                       |
| Charge inerte     | Inhalation | Multiple espèces animales | Certaines données positives existent, mais ces données ne sont pas suffisantes pour justifier une classification. |
| Dioxyde de Titane | Ingestion  | Multiple espèces animales | Non-cancérogène                                                                                                   |
| Dioxyde de Titane | Inhalation | Rat                       | Cancérogène                                                                                                       |

**Effets toxiques sur la reproduction****Effets sur la reproduction et/ou le développement**

| Nom              | Voie      | Valeur                                 | Espèces | Résultat de l'essai                         | Durée d'exposition     |
|------------------|-----------|----------------------------------------|---------|---------------------------------------------|------------------------|
| Talc             | Ingestion | Non classifié pour la reproduction     | Rat     | Niveau sans effet nocif observé 1 600 mg/kg | pendant l'organogénèse |
| Styrène monomère | Ingestion | Non classifié pour la reproduction des | Rat     | Niveau sans                                 | 3 générations          |

|                  |            |                                                 |                            |                                                |                                              |
|------------------|------------|-------------------------------------------------|----------------------------|------------------------------------------------|----------------------------------------------|
|                  |            | femelles                                        |                            | effet nocif observé 21 mg/kg/jour              |                                              |
| Styrène monomère | Inhalation | Non classifié pour la reproduction des femelles | Rat                        | Niveau sans effet nocif observé 2,1 mg/l       | 2 génération                                 |
| Styrène monomère | Inhalation | Non classifié pour la reproduction masculine    | Rat                        | Niveau sans effet nocif observé 2,1 mg/l       | 2 génération                                 |
| Styrène monomère | Ingestion  | Non classifié pour la reproduction masculine    | Rat                        | Niveau sans effet nocif observé 400 mg/kg/jour | 60 jours                                     |
| Styrène monomère | Ingestion  | Non classifié pour la développement             | Rat                        | Niveau sans effet nocif observé 400 mg/kg/jour | pendant la grossesse                         |
| Styrène monomère | Inhalation | Non classifié pour la développement             | Multiple espèces animales. | Niveau sans effet nocif observé 2,1 mg/l       | pendant la grossesse                         |
| Calcaire         | Ingestion  | Non classifié pour la développement             | Rat                        | Niveau sans effet nocif observé 625 mg/kg/jour | avant l'accouplement et pendant la gestation |

**Organe(s) cible(s)****Toxicité spécifique pour certains organes cibles - exposition unique**

| Nom              | Voie       | Organe(s) cible(s)                    | Valeur                                         | Espèces                    | Résultat de l'essai                            | Durée d'exposition         |
|------------------|------------|---------------------------------------|------------------------------------------------|----------------------------|------------------------------------------------|----------------------------|
| Styrène monomère | Inhalation | système auditif                       | Risque avéré d'effets graves pour les organes. | Multiple espèces animales. | LOAEL 4,3 mg/l                                 | pas disponible             |
| Styrène monomère | Inhalation | foie                                  | Risque avéré d'effets graves pour les organes. | Mouris                     | LOAEL 2,1 mg/l                                 | pas disponible             |
| Styrène monomère | Inhalation | dépression du système nerveux central | Peut provoquer somnolence ou vertiges          | Humain                     | Niveau sans effet nocif observé Pas disponible | exposition professionnelle |
| Styrène monomère | Inhalation | irritation respiratoires              | Peut irriter les voies respiratoires.          | Homme et animal            | Niveau sans effet nocif observé Pas disponible |                            |
| Styrène monomère | Inhalation | Système endocrinien                   | Non classifié                                  | Rat                        | Niveau sans effet nocif observé Pas disponible | pas disponible             |
| Styrène monomère | Inhalation | rénale et / ou de la vessie           | Non classifié                                  | Multiple espèces animales. | Niveau sans effet nocif observé 2,1 mg/l       | pas disponible             |
| Calcaire         | Inhalation | système respiratoire                  | Non classifié                                  | Rat                        | Niveau sans effet nocif observé 0,812 mg/l     | 90 minutes                 |

**Toxicité spécifique pour certains organes cibles - exposition répétée**

| Nom  | Voie       | Organe(s) cible(s) | Valeur                                                                                                  | Espèces | Résultat de l'essai                            | Durée d'exposition         |
|------|------------|--------------------|---------------------------------------------------------------------------------------------------------|---------|------------------------------------------------|----------------------------|
| Talc | Inhalation | pneumoconiosis     | avéré d'effets graves pour les organes à la suite d'expositions répétées ou d'une exposition prolongée. | Humain  | Niveau sans effet nocif observé Pas disponible | exposition professionnelle |
| Talc | Inhalation | Fibrose pulmonaire | Non classifié                                                                                           | Rat     | Niveau sans                                    | 113 semaines               |

|                   |            |                                                                                                                |                                                                                                                   |                            |                                                |                            |
|-------------------|------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------|----------------------------|
|                   |            | système respiratoire                                                                                           |                                                                                                                   |                            | effet nocif observé 18 mg/m3                   |                            |
| Styrène monomère  | Inhalation | système auditif                                                                                                | avéré d'effets graves pour les organes à la suite d'expositions répétées ou d'une exposition prolongée.           | Humain                     | Niveau sans effet nocif observé pas disponible | exposition professionnelle |
| Styrène monomère  | Inhalation | yeux                                                                                                           | avéré d'effets graves pour les organes à la suite d'expositions répétées ou d'une exposition prolongée.           | Humain                     | Niveau sans effet nocif observé Pas disponible | exposition professionnelle |
| Styrène monomère  | Inhalation | foie                                                                                                           | Risque présumé d'effets graves pour les organes à la suite d'expositions répétées ou d'une exposition prolongée   | Mouris                     | LOAEL 0,85 mg/l                                | 13 semaines                |
| Styrène monomère  | Inhalation | Système nerveux                                                                                                | Certaines données positives existent, mais ces données ne sont pas suffisantes pour justifier une classification. | Multiple espèces animales. | LOAEL 1,1 mg/l                                 | pas disponible             |
| Styrène monomère  | Inhalation | système vasculaire                                                                                             | Non classifié                                                                                                     | Rat                        | Niveau sans effet nocif observé 0,85 mg/l      | 7 jours                    |
| Styrène monomère  | Inhalation | Système endocrinien                                                                                            | Non classifié                                                                                                     | Rat                        | Niveau sans effet nocif observé 0,6 mg/l       | 10 jours                   |
| Styrène monomère  | Inhalation | système respiratoire                                                                                           | Non classifié                                                                                                     | Multiple espèces animales. | LOAEL 0,09 mg/l                                | pas disponible             |
| Styrène monomère  | Inhalation | cœur   tube digestif   des os, des dents, des ongles et/ou les cheveux   muscles   rénale et / ou de la vessie | Non classifié                                                                                                     | Multiple espèces animales. | Niveau sans effet nocif observé 4,3 mg/l       | 2 années                   |
| Styrène monomère  | Ingestion  | Système nerveux                                                                                                | Certaines données positives existent, mais ces données ne sont pas suffisantes pour justifier une classification. | Rat                        | LOAEL 500 mg/kg/day                            | 8 semaines                 |
| Styrène monomère  | Ingestion  | système immunitaire                                                                                            | Certaines données positives existent, mais ces données ne sont pas suffisantes pour justifier une classification. | Multiple espèces animales. | Niveau sans effet nocif observé Pas disponible | pas disponible             |
| Styrène monomère  | Ingestion  | foie   rénale et / ou de la vessie                                                                             | Non classifié                                                                                                     | Rat                        | Niveau sans effet nocif observé 677 mg/kg/day  | 6 mois                     |
| Styrène monomère  | Ingestion  | système vasculaire                                                                                             | Non classifié                                                                                                     | Chien                      | Niveau sans effet nocif observé 600 mg/kg/day  | 470 jours                  |
| Styrène monomère  | Ingestion  | cœur   système respiratoire                                                                                    | Non classifié                                                                                                     | Rat                        | Niveau sans effet nocif observé 35 mg/kg/day   | 105 semaines               |
| Charge inerte     | Inhalation | système respiratoire                                                                                           | Non classifié                                                                                                     | Humain                     | Niveau sans effet nocif observé pas disponible | exposition professionnelle |
| Calcaire          | Inhalation | système respiratoire                                                                                           | Non classifié                                                                                                     | Humain                     | Niveau sans effet nocif observé Pas disponible | exposition professionnelle |
| Dioxyde de Titane | Inhalation | système respiratoire                                                                                           | Certaines données positives existent, mais ces données ne sont pas suffisantes pour justifier une classification. | Rat                        | LOAEL 0,01 mg/l                                | 2 années                   |

|                   |            |                    |               |        |                                                |                             |
|-------------------|------------|--------------------|---------------|--------|------------------------------------------------|-----------------------------|
| Dioxyde de Titane | Inhalation | Fibrose pulmonaire | Non classifié | Humain | Niveau sans effet nocif observé Pas disponible | exposition professionnel le |
|-------------------|------------|--------------------|---------------|--------|------------------------------------------------|-----------------------------|

**Risque d'aspiration**

| Nom              | Valeur              |
|------------------|---------------------|
| Styrène monomère | danger d'aspiration |

**Veillez communiquer à l'adresse ou au numéro de téléphone indiqué à la première page de la fiche signalétique santé-sécurité pour de plus amples renseignements sur ce matériau ou ses composants.**

**SECTION 12 : Renseignements écologiques**

Pas de données disponibles.

**SECTION 13 : Considérations relatives à l'élimination****13.1. Méthodes d'élimination**

Éliminer les contenus/contenants conformément aux règlements locaux, régionaux, nationaux et internationaux.

Incinérer dans un d'incinérateur de déchets autorisé. Une autre solution d'élimination consiste à utiliser une usine d'élimination des déchets autorisée acceptable. Les fûts/barils/contenants utilisés pour le transport et la manutention de produits chimiques dangereux (substances chimiques, mélanges, préparations classifiées comme dangereuses en vertu des règlements applicables) doivent être considérés, entreposés, traités et éliminés comme des déchets dangereux sauf mention contraire dans des règlements applicables sur la gestion des déchets. Consulter les organismes de réglementation concernés pour déterminer les installations de traitement et d'élimination disponibles.

**SECTION 14 : Renseignements sur le transport**

Pour l'informations de transport, s'il vous plaît visitez <http://3M.com/Transportinfo> ou par téléphone 1-800-364-3577 ou 651-737-6501.

**SECTION 15 : Renseignements réglementaires****15.1. Réglementation/législation particulière à la substance ou au mélange en matière de sécurité, de santé et d'environnement****Statut des inventaires**

Communiquer avec le fabricant pour obtenir de plus amples renseignements. Les composants de ce matériau sont conformes aux dispositions de la Korean Toxic Chemical Control Law (loi coréenne de réglementation des produits chimiques toxiques). Certaines restrictions peuvent s'appliquer. Communiquer avec la division des ventes pour obtenir plus de renseignements. Les composés de ce matériau sont conformes aux dispositions du NICNAS (National Industrial Chemical Notification and Assessment Scheme) de l'Australie. Certaines restrictions peuvent s'appliquer. Communiquer avec la division des ventes pour obtenir plus de renseignements. Les composants de ce matériau sont conformes aux dispositions de la Japon Toxic Chemical Control Law (loi Japon de réglementation des produits chimiques toxiques). Certaines restrictions peuvent s'appliquer. Communiquer avec la division des ventes pour obtenir plus de renseignements. Les composants de ce matériau sont conformes aux dispositions de la Philippines RA 6969 exigences. Certaines restrictions peuvent s'appliquer. Communiquer avec la division des ventes pour obtenir plus de renseignements. Les composants de ce produit sont conformes aux exigences relatives aux avis sur les produits chimiques de la CEPA. Ce produit est conforme aux mesures sur la gestion environnementale des nouvelles substances chimiques. Tous les ingrédients sont listés ou exemptés de l'inventaire Chinois IECSC. Les composés de ce produit sont conformes aux on sur les produitexigences de notificatis chimiques de la TSCA (Loi réglementant les substances toxiques).

**SECTION 16 : Autres renseignements****Classement des risques par la NFPA****Santé:** 1 **Inflammabilité:** 3 **Instabilité :** 0 **Risques particuliers :** Aucun

Les cotes d'évaluation des risques établies par la National Fire Protection Association (NFPA) sont destinées à aider le personnel d'intervention d'urgence à déterminer les risques présentés par l'exposition aiguë à court terme à un matériau au cours d'incendies, de déversements ou d'autres situations d'urgence semblables. Pour les établir, on tient principalement compte des propriétés physiques et toxiques du matériau, mais également des propriétés toxiques des produits de combustion ou de décomposition qui sont générés en grande quantité.

|                             |            |                                       |            |
|-----------------------------|------------|---------------------------------------|------------|
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Les renseignements contenus dans la présente fiches de données de sécurité (FDS) étaient jugés exacts au moment de la publication. 3M N'OFFRE AUCUNE GARANTIE OU CONDITION EXPLICITE OU IMPLICITE, TATUTAIRE OU AUTRE, Y COMPRIS, MAIS SANS S'Y LIMITER, TOUTE GARANTIE OU CONDITION IMPLICITE DE QUALITÉ MARCHANDE OU D'ADAPTATION À UN USAGE PARTICULIER, OU TOUTE GARANTIE OU CONDITION IMPLICITE DÉCOULANT DE LA CONDUITE DES AFFAIRES, DES PRATIQUES COURANTES ET DES USAGES DU COMMERCE. Il incombe à l'utilisateur d'établir si le produit 3M convient à l'usage auquel il le destine et à la méthode d'utilisation ou d'application prévue. Comme l'utilisateur est parfois seul à connaître les nombreux facteurs qui interviennent dans l'utilisation et l'application d'un produit 3M et à y exercer un quelconque pouvoir, il est essentiel qu'il évalue le produit 3M avant de déterminer s'il convient à l'usage auquel il le destine et à la méthode d'utilisation ou d'application prévue.

Les FDS de 3M Canada sont disponibles sur [www.3m.ca](http://www.3m.ca)