



## 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™ Dynatron® Dyna-Glass Short Strand, P.N. 462, 462E, 464, 464E

#### Product Identification Numbers

LB-K100-0501-1      LB-K100-0507-0

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

##### Intended Use

Automotive

##### Specific Use

Repairing autobody

##### 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: (519) 451-2500, Ext. 2222; Transportation Emergency Telephone (CANUTEC): (613) 996-6666

### SECTION 2: Hazard identification

#### 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 |

### 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. Get medical advice/attention if you feel unwell. 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.

27% of the mixture consists of ingredients of unknown acute oral toxicity.

27% of the mixture consists of ingredients of unknown acute dermal toxicity.

27% 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                                                          |
| Talc                                  | 14807-96-6        | 15 - 40 Trade Secret *     | Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) |
| Magnesium Carbonate                   | 546-93-0          | 10 - 30                    | Carbonic acid, magnesium salt (1:1)                                     |
| Styrene Monomer                       | 100-42-5          | 10 - 30 Trade Secret *     | Benzene, ethenyl-                                                       |
| Oxide glass chemicals                 | 65997-17-3        | 1 - 5                      | Glass, oxide, chemicals                                                 |
| Chlorite                              | 1318-59-8         | < 3                        | Chlorite-group minerals                                                 |
| Dolomite                              | 16389-88-1        | < 3                        | Dolomite (CaMg(CO <sub>3</sub> ) <sub>2</sub> )                         |
| Limestone                             | 1317-65-3         | < 3                        | Limestonestes primarily of calcium carbonate.                           |
| Synthetic Crystalline-Free Silica Gel | 112926-00-8       | < 3                        | Silica gel, pptd., cryst.-free                                          |
| Wollastonite                          | 13983-17-0        | < 3                        | Wollastonite (Ca(SiO <sub>3</sub> ))                                    |
| Dimethylaniline                       | 121-69-7          | 0.05 - 0.45 Trade Secret * | No Data Available                                                       |

Polyester Resin 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**

See Section 11.1. Information on toxicological effects.

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

Not applicable

## **SECTION 5: Fire-fighting measures**

### **5.1. Suitable extinguishing media**

In case of fire: Use a fire fighting agent suitable for 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**

Hydrocarbons  
Carbon monoxide  
Carbon dioxide  
Toxic Vapor, Gas, Particulate

**Condition**

During Combustion  
During Combustion  
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.

**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. An appropriate aqueous film forming foam (AFFF) is recommended. 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.

| Ingredient                                           | C.A.S. No. | Agency                  | Limit type                                                                                                 | Additional Comments |
|------------------------------------------------------|------------|-------------------------|------------------------------------------------------------------------------------------------------------|---------------------|
| Styrene Monomer                                      | 100-42-5   | ACGIH                   | TWA:20 ppm;STEL:40 ppm                                                                                     |                     |
| Dimethylaniline                                      | 121-69-7   | ACGIH                   | TWA:5 ppm;STEL:10 ppm                                                                                      | SKIN                |
| Talc                                                 | 14807-96-6 | ACGIH                   | TWA(respirable fraction):2 mg/m3                                                                           |                     |
| CAS NO SEQ117921                                     | 16389-88-1 | ACGIH                   | TWA(inhalable particulates):10 mg/m3                                                                       |                     |
| CAS NO SEQ117922                                     | 16389-88-1 | ACGIH                   | TWA(respirable particles):3 mg/m3                                                                          |                     |
| Continuous filament glass fibers                     | 65997-17-3 | ACGIH                   | TWA(as fiber):1 fiber/cc                                                                                   |                     |
| Continuous filament glass fibers, inhalable fraction | 65997-17-3 | ACGIH                   | TWA(inhalable fraction):5 mg/m3                                                                            |                     |
| Oxide glass chemicals                                | 65997-17-3 | Manufacturer determined | TWA(as non-fibrous, inhalable fraction)(8 hours):10 mg/m3;TWA(as non-fibrous, respirable)(8 hours):3 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:

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                                  | Green                                                   |
| Odour                                   | Pungent Organic solvent                                 |
| Odour threshold                         | No Data Available                                       |
| pH                                      | No Data Available                                       |
| Melting point/Freezing point            | No Data Available                                       |
| Boiling point                           | 145 °C                                                  |
| Flash Point                             | 31.1 °C [Test Method:Closed Cup]                        |
| Evaporation rate                        | No Data Available                                       |
| Flammability (solid, gas)               | Not Applicable                                          |
| Flammable Limits(LEL)                   | 1.1 %                                                   |
| Flammable Limits(UEL)                   | No Data Available                                       |
| Vapour Pressure                         | 599.9 Pa                                                |
| Vapour Density                          | 3.6 [Ref Std: AIR=1]                                    |
| Density                                 | 1.638 g/ml                                              |
| Relative density                        | 1.638 [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                               | No Data Available                                       |
| Volatile Organic Compounds              | 247 g/l [Test Method:calculated SCAQMD rule 443.1]      |
| Volatile Organic Compounds              | 15.1 % weight [Test Method:calculated per CARB title 2] |
| Percent volatile                        | 15.1 % weight                                           |
| VOC Less H2O & Exempt Solvents          | 247 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.

### 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**

##### **Substance**

##### **Condition**

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

## **SECTION 11: Toxicological information**

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

### **11.1. Information on Toxicological effects**

#### **Signs and Symptoms of Exposure**

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

##### **Inhalation:**

May be harmful if inhaled. 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:**

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><u>Ingredient</u></b>  | <b><u>CAS No.</u></b> | <b><u>Class Description</u></b> | <b><u>Regulation</u></b>                    |
|---------------------------|-----------------------|---------------------------------|---------------------------------------------|
| Talc                      | 14807-96-6            | Grp. 2B: Possible human carc.   | International Agency for Research on Cancer |
| Generic: CAS NO SEQ200640 | 65997-17-3            | Grp. 2B: Possible human carc.   | International Agency for Research on Cancer |

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|                          |            |                               |                                             |
|--------------------------|------------|-------------------------------|---------------------------------------------|
| Generic: CERAMIC FIBERS  | 65997-17-3 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |
| Generic: CERAMIC FIBERS  | 65997-17-3 | Anticipated human carcinogen  | National Toxicology Program Carcinogens     |
| Generic: GLASS FILAMENTS | 65997-17-3 | Anticipated human carcinogen  | National Toxicology Program Carcinogens     |
| Styrene Monomer          | 100-42-5   | Grp. 2A: Probable human carc. | International Agency for Research on Cancer |
| Styrene Monomer          | 100-42-5   | Anticipated human carcinogen  | National Toxicology Program Carcinogens     |

**Toxicological Data**

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

**Acute Toxicity**

| Name                                  | Route                          | Species                | Value                                          |
|---------------------------------------|--------------------------------|------------------------|------------------------------------------------|
| Overall product                       | Dermal                         |                        | No data available; calculated ATE >5,000 mg/kg |
| Overall product                       | Inhalation-Vapor(4 hr)         |                        | No data available; calculated ATE20 - 50 mg/l  |
| Overall product                       | Ingestion                      |                        | No data available; calculated ATE >5,000 mg/kg |
| Talc                                  | Dermal                         |                        | LD50 estimated to be > 5,000 mg/kg             |
| Talc                                  | Ingestion                      |                        | LD50 estimated to be > 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                             |
| Styrene Monomer                       | Dermal                         | Rat                    | LD50 > 2,000 mg/kg                             |
| Styrene Monomer                       | Inhalation-Vapor (4 hours)     | Rat                    | LC50 8.3 mg/l                                  |
| Styrene Monomer                       | Ingestion                      | Rat                    | LD50 5,000 mg/kg                               |
| Oxide glass chemicals                 | Dermal                         |                        | LD50 estimated to be > 5,000 mg/kg             |
| Oxide glass chemicals                 | 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                             |
| Synthetic Crystalline-Free Silica Gel | Dermal                         | Rabbit                 | LD50 > 5,000 mg/kg                             |
| Synthetic Crystalline-Free Silica Gel | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 0.691 mg/l                              |
| Synthetic Crystalline-Free Silica Gel | Ingestion                      | Rat                    | LD50 > 5,110 mg/kg                             |
| Wollastonite                          | Dermal                         |                        | LD50 estimated to be > 5,000 mg/kg             |
| Wollastonite                          | Ingestion                      |                        | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| Dimethylaniline                       | Dermal                         |                        | estimated to be 200 - 1,000 mg/kg              |
| Dimethylaniline                       | Inhalation-Dust/Mist           |                        | estimated to be > 12.5 mg/l                    |
| Dimethylaniline                       | Inhalation-Vapor               |                        | estimated to be 2 - 10 mg/l                    |
| Dimethylaniline                       | Ingestion                      |                        | estimated to be 50 - 300 mg/kg                 |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name                | Species       | Value                     |
|---------------------|---------------|---------------------------|
| Talc                | Rabbit        | No significant irritation |
| Magnesium Carbonate | In vitro data | No significant irritation |
| Styrene Monomer     | official      | Mild irritant             |



|                                       | classification         |                           |
|---------------------------------------|------------------------|---------------------------|
| Oxide glass chemicals                 | Professional judgement | No significant irritation |
| Limestone                             | Rabbit                 | No significant irritation |
| Chlorite                              | Professional judgement | No significant irritation |
| Dolomite                              | Professional judgement | No significant irritation |
| Synthetic Crystalline-Free Silica Gel | Rabbit                 | No significant irritation |

### Serious Eye Damage/Irritation

| Name                                  | Species                 | Value                     |
|---------------------------------------|-------------------------|---------------------------|
| Talc                                  | Rabbit                  | No significant irritation |
| Magnesium Carbonate                   | Rabbit                  | Mild irritant             |
| Styrene Monomer                       | official classification | Moderate irritant         |
| Oxide glass chemicals                 | Professional judgement  | No significant irritation |
| Limestone                             | Rabbit                  | No significant irritation |
| Chlorite                              | Professional judgement  | No significant irritation |
| Dolomite                              | Professional judgement  | No significant irritation |
| Synthetic Crystalline-Free Silica Gel | Rabbit                  | No significant irritation |

### Skin Sensitization

| Name                                  | Species          | Value          |
|---------------------------------------|------------------|----------------|
| Styrene Monomer                       | Guinea pig       | Not classified |
| Synthetic Crystalline-Free Silica Gel | 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 |
| Oxide glass chemicals                 | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Synthetic Crystalline-Free Silica Gel | In Vitro | Not mutagenic                                                                |

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|              |          |               |
|--------------|----------|---------------|
| Wollastonite | In Vitro | 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                                                                 |
| Oxide glass chemicals                 | Inhalation    | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |
| Synthetic Crystalline-Free Silica Gel | Not Specified | Mouse                   | Some positive data exist, but the data are not sufficient for classification |

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

| Name                                  | Route      | Value                                  | Species                 | Test result           | Exposure Duration              |
|---------------------------------------|------------|----------------------------------------|-------------------------|-----------------------|--------------------------------|
| 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   | prematuring & during gestation |
| Synthetic Crystalline-Free Silica Gel | Ingestion  | Not classified for female reproduction | Rat                     | NOAEL 509 mg/kg/day   | 1 generation                   |
| Synthetic Crystalline-Free Silica Gel | Ingestion  | Not classified for male reproduction   | Rat                     | NOAEL 497 mg/kg/day   | 1 generation                   |
| Synthetic Crystalline-Free Silica Gel | Ingestion  | Not classified for development         | Rat                     | NOAEL 1,350 mg/kg/day | during organogenesis           |

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

| Name            | Route      | Target Organ(s)                   | Value                                                                        | Species                 | Test result         | Exposure Duration     |
|-----------------|------------|-----------------------------------|------------------------------------------------------------------------------|-------------------------|---------------------|-----------------------|
| 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            | Some positive data exist, but the data are not sufficient for classification | Human and animal        | NOAEL Not available |                       |
| Styrene Monomer | Inhalation | endocrine system                  | Not classified                                                               | Rat                     | NOAEL Not available | not available         |

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|                 |            |                       |                |                         |                  |               |
|-----------------|------------|-----------------------|----------------|-------------------------|------------------|---------------|
| 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 | eyes                                                                                               | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL Not available | occupational exposure |
| Styrene Monomer                       | Inhalation | auditory system                                                                                    | May cause damage to organs through prolonged or repeated exposure            | Multiple animal species | NOAEL 1.3 mg/l      | not available         |
| Styrene Monomer                       | Inhalation | liver                                                                                              | May cause damage to organs through 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             |
| Oxide glass chemicals                 | Inhalation | respiratory system                                                                                 | Not classified                                                               | Human                   | NOAEL not available | occupational exposure |
| Limestone                             | Inhalation | respiratory system                                                                                 | Not classified                                                               | Human                   | NOAEL Not available | occupational exposure |
| Synthetic Crystalline-Free Silica Gel | Inhalation | respiratory system   silicosis                                                                     | Not classified                                                               | Human                   | NOAEL Not available | occupational exposure |
| Wollastonite                          | Inhalation | respiratory system                                                                                 | Not classified                                                               | Human                   | NOAEL Not available | occupational exposure |
| Wollastonite                          | Inhalation | pulmonary fibrosis                                                                                 | Not classified                                                               | Human and animal        | NOAEL Not available |                       |

**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

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

## 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

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of 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 chemical notification requirements of TSCA. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC 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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|------------------------|------------|-------------------------|------------|
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