



## Safety Data Sheet

Copyright, 2019, 3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Document Group:</b> | 29-5603-5 | <b>Version Number:</b>  | 4.02     |
| <b>Issue Date:</b>     | 02/26/19  | <b>Supersedes Date:</b> | 04/04/17 |

### Product identifier

3M™ Scratch & Scuff Removal System, 39071, 39071F, 50975

### ID Number(s):

60-4550-5579-2, 60-4551-0854-2

7000045524

### Recommended use

Automotive

### Supplier's details

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

### Emergency telephone number

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

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

31-3165-3, 29-3593-0

**DISCLAIMER:** The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from 3M.

3M USA SDSs are available at [www.3M.com](http://www.3M.com)



## Safety Data Sheet

Copyright,2019,3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Document Group:</b> | 29-3593-0 | <b>Version Number:</b>  | 5.01     |
| <b>Issue Date:</b>     | 08/22/19  | <b>Supersedes Date:</b> | 06/04/19 |

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Rubbing Compound PN 05973, 05974, 05968, 3900, 39002, 39002S, 39005

#### Product Identification Numbers

LB-K100-0959-1, LB-K100-0959-2, LB-K100-0961-4, LB-K100-0960-9, LB-K100-0954-8, LB-K100-0933-1, LB-K100-0933-2, LB-K100-0961-0, LB-K100-0961-1, 60-4550-5785-5, 60-4550-5787-1, 60-4550-5806-9, 60-4550-6559-3, 60-4550-7122-9, 60-4551-0213-1, 60-4551-0214-9, 60-4551-0215-6, 60-4551-0216-4  
7000120042, 7000021276, 7000120073, 7100159911, 7100168978, 7100169724, 7100177111

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

##### Recommended use

Automotive, Rubbing Compound

#### 1.3. Supplier's details

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

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazard identification

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

#### 2.1. Hazard classification

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

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Health Hazard |

**Pictograms****Hazard Statements**

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

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

Keep out of reach of children.

**Prevention:**

Do not breathe dust/fume/gas/mist/vapors/spray.  
Do not eat, drink or smoke when using this product.  
Wash thoroughly after handling.

**Response:**

Get medical advice/attention if you feel unwell.

**Disposal:**

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

1% of the mixture consists of ingredients of unknown acute oral toxicity.

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

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

| <b>Ingredient</b>   | <b>C.A.S. No.</b> | <b>% by Wt</b>           |
|---|-------------------|--------------------------|
| Water   | 7732-18-5         | 30 - 60 Trade Secret *   |
| Silica  | 7631-86-9         | 15 - 40 Trade Secret *   |
| HYDROTREATED LIGHT PETROLEUM<br>DISTILLATES                 | 64742-47-8        | 10 - 30 Trade Secret *   |
| Kaolinite   | 1318-74-7         | 3 - 7 Trade Secret *     |
| Oleic Acid  | 112-80-1          | 1 - 5 Trade Secret *     |
| Solvent dewaxed heavy paraffinic distillate (petroleum)     | 64742-65-0        | 1 - 5 Trade Secret *     |
| Glycerin  | 56-81-5           | < 2 Trade Secret *       |
| Illite  | 12173-60-3        | 0.5 - 1.5 Trade Secret * |
| Hydrotreated light paraffinic distillates (petroleum)       | 64742-55-8        | < 1 Trade Secret *       |
| Poly(Oxyethylene)Sorbitan Monostearate                      | 9005-67-8         | 0.1 - 1 Trade Secret *   |
| SOLVENT DEWAXED LIGHT PARAFFINIC<br>DISTILLATES (PETROLEUM) | 64742-56-9        | < 1 Trade Secret *       |
| Alkyloammonium Salt   | Trade Secret*     | 0.1 - 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:**

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

**Eye Contact:**

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

**If Swallowed:**

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

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

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

Non-combustible. Use a fire fighting agent suitable for surrounding fire.

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

None inherent in this product.

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

No special protective actions for fire-fighters are anticipated.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

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

### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

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

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep out of reach of children. 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.

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

Store away from heat.

## 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   |
|---|------------|--------|---|---|
| Aluminum, insoluble compounds               | 1318-74-7  | ACGIH  | TWA(respirable fraction):1 mg/m <sup>3</sup>  | A4: Not class. as human carcin                              |
| Glycerin                                    | 56-81-5    | OSHA   | TWA(as total dust):15 mg/m <sup>3</sup> ;TWA(respirable fraction):5 mg/m <sup>3</sup> |   |
| Mineral oils (untreated and mildly treated) | 64742-55-8 | ACGIH  | Limit value not established:  | A2: Suspected human carcin., Cntrl all exposr-low as possib |
| Paraffin oil                                | 64742-55-8 | OSHA   | TWA(as mist):5 mg/m <sup>3</sup>  |   |
| Mineral oils (untreated and mildly treated) | 64742-56-9 | ACGIH  | Limit value not established:  | A2: Suspected human carcin., Cntrl all exposr-low as possib |
| MINERAL OILS, HIGHLY-REFINED OILS           | 64742-56-9 | ACGIH  | TWA(inhalable fraction):5 mg/m <sup>3</sup>   | A4: Not class. as human carcin                              |
| Paraffin oil                                | 64742-56-9 | OSHA   | TWA(as mist):5 mg/m <sup>3</sup>  |   |
| Paraffin oil                                | 64742-65-0 | OSHA   | TWA(as mist):5 mg/m <sup>3</sup>  |   |
| PETROLEUM DISTILLATES                       | 64742-65-0 | OSHA   | TWA:2000 mg/m <sup>3</sup> (500 ppm)  |   |
| SILICA, AMORPHOUS                           | 7631-86-9  | OSHA   | TWA concentration:0.8 mg/m <sup>3</sup> ;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.

#### 8.2.2. Personal protective equipment (PPE)

##### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Safety Glasses with side shields

### Skin/hand protection

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

Gloves made from the following material(s) are recommended: Polymer laminate

When only incidental contact is anticipated, alternative glove material(s) may be used. If contact with the glove does occur, remove immediately and replace with a set of new gloves. For incidental contact, gloves made of the following material(s) may be used: Nitrile Rubber

### Respiratory protection

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

Half facepiece or full facepiece air-purifying respirator suitable for organic 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

Tan

Odor

Slight Solvent

Odor threshold

No Data Available

pH

7.5 - 8.5

Melting point

Not Applicable

Boiling Point

98.3 °C

Flash Point

No flash point

Evaporation rate

No Data Available

Flammability (solid, gas)

Not Applicable

Flammable Limits(LEL)

No Data Available

Flammable Limits(UEL)

No Data Available

Vapor Pressure

No Data Available

Vapor Density

No Data Available

Density

1.2 g/ml

Specific Gravity

1.2 [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

6,000 - 18,000 centipoise [Test Method: Brookfield] [Details:#6 Spindle]

Hazardous Air Pollutants

0.00002 lb HAPS/lb solids [Test Method: Calculated]

Molecular weight

No Data Available

|   |  |
|---|--|
| <b>Volatile Organic Compounds</b>         | 213 g/l [ <i>Test Method</i> :calculated SCAQMD rule 443.1]      |
| <b>Volatile Organic Compounds</b>         | 15.2 % weight [ <i>Test Method</i> :calculated per CARB title 2] |
| <b>Percent volatile</b>                   | 58.3 % weight  |
| <b>VOC Less H2O &amp; Exempt Solvents</b> | 415 g/l [ <i>Test Method</i> :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

None known.

### 10.6. Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u>         |
|------------------|--------------------------|
| Carbon monoxide  | At Elevated Temperatures |
| Carbon dioxide   | At Elevated Temperatures |

## 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 cause additional health effects (see below).

#### **Skin Contact:**

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

#### **Eye Contact:**

Dust created by cutting, grinding, sanding, or machining may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.



**Ingestion:**

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

**Additional Health Effects:****Prolonged or repeated exposure may cause target organ effects:**

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

**Carcinogenicity:**

| <b>Ingredient</b>                                    | <b>CAS No.</b> | <b>Class Description</b>       | <b>Regulation</b>                           |
|--|----------------|--------------------------------|---|
| Generic: Mineral oils (untreated and mildly treated) | 64742-55-8     | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| Generic: Mineral oils (untreated and mildly treated) | 64742-55-8     | Known human carcinogen         | National Toxicology Program Carcinogens     |
| Generic: Mineral oils (untreated and mildly treated) | 64742-56-9     | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| Generic: Mineral oils (untreated and mildly treated) | 64742-56-9     | Known 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**

| <b>Name</b>  | <b>Route</b>                   | <b>Species</b> | <b>Value</b>                                   |
|--|--------------------------------|----------------|--|
| Overall product  | Inhalation-Vapor(4 hr)         |                | No data available; calculated ATE >50 mg/l     |
| Overall product  | Ingestion                      |                | No data available; calculated ATE >5,000 mg/kg |
| Silica   | Dermal                         | Rabbit         | LD50 > 5,000 mg/kg                             |
| Silica   | Inhalation-Dust/Mist (4 hours) | Rat            | LC50 > 0.691 mg/l                              |
| Silica   | Ingestion                      | Rat            | LD50 > 5,110 mg/kg                             |
| HYDROTREATED LIGHT PETROLEUM DISTILLATES                 | Dermal                         | Rabbit         | LD50 > 5,000 mg/kg                             |
| HYDROTREATED LIGHT PETROLEUM DISTILLATES                 | Inhalation-Vapor (4 hours)     | Rat            | LC50 > 12 mg/l                                 |
| HYDROTREATED LIGHT PETROLEUM DISTILLATES                 | Ingestion                      | Rat            | LD50 > 5,000 mg/kg                             |
| Kaolinite  | Dermal                         |                | LD50 estimated to be > 5,000 mg/kg             |
| Kaolinite  | Ingestion                      | Human          | LD50 > 15,000 mg/kg                            |
| Solvent dewaxed heavy paraffinic distillate (petroleum)  | Dermal                         | Rabbit         | LD50 > 5,000 mg/kg                             |
| Solvent dewaxed heavy paraffinic distillate (petroleum)  | Inhalation-Dust/Mist (4 hours) | Rat            | LC50 > 4 mg/l                                  |
| Solvent dewaxed heavy paraffinic distillate (petroleum)  | Ingestion                      | Rat            | LD50 > 5,000 mg/kg                             |
| Oleic Acid   | Dermal                         | Guinea pig     | LD50 > 3,000 mg/kg                             |
| Oleic Acid   | Ingestion                      | Rat            | LD50 57,000 mg/kg                              |
| Glycerin   | Dermal                         | Rabbit         | LD50 estimated to be > 5,000 mg/kg             |
| Glycerin   | Ingestion                      | Rat            | LD50 > 5,000 mg/kg                             |
| Poly(Oxyethylene)Sorbitan Monostearate                   | Dermal                         |                | LD50 estimated to be > 5,000 mg/kg             |
| Poly(Oxyethylene)Sorbitan Monostearate                   | Ingestion                      | Rat            | LD50 > 62,640 mg/kg                            |
| SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM) | Dermal                         | Rabbit         | LD50 > 5,000 mg/kg                             |
| SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM) | Inhalation-Dust/Mist (4 hours) | Rat            | LC50 > 4 mg/l                                  |
| SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM) | Ingestion                      | Rat            | LD50 > 5,000 mg/kg                             |
| Alkyloammonium Salt                                      | Ingestion                      | Rat            | LD50 > 5,385 mg/kg                             |

|                     |        |                        |                                    |
|---------------------|--------|------------------------|------------------------------------|
| Alkyloammonium Salt | Dermal | similar health hazards | LD50 estimated to be > 5,000 mg/kg |
|---------------------|--------|------------------------|------------------------------------|

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name   | Species                | Value                     |
|--|------------------------|---------------------------|
| Silica   | Rabbit                 | No significant irritation |
| HYDROTREATED LIGHT PETROLEUM DISTILLATES                 | Rabbit                 | Mild irritant             |
| Kaolinite  | Professional judgement | No significant irritation |
| Oleic Acid   | Rabbit                 | Minimal irritation        |
| Glycerin   | Rabbit                 | No significant irritation |
| SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM) | Rabbit                 | Minimal irritation        |
| Alkyloammonium Salt                                      | Rabbit                 | No significant irritation |

### Serious Eye Damage/Irritation

| Name   | Species                | Value                     |
|--|------------------------|---------------------------|
| Silica   | Rabbit                 | No significant irritation |
| HYDROTREATED LIGHT PETROLEUM DISTILLATES                 | Rabbit                 | Mild irritant             |
| Kaolinite  | Professional judgement | No significant irritation |
| Oleic Acid   | Rabbit                 | Mild irritant             |
| Glycerin   | Rabbit                 | No significant irritation |
| SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM) | Rabbit                 | No significant irritation |
| Alkyloammonium Salt                                      | Rabbit                 | No significant irritation |

### Skin Sensitization

| Name   | Species          | Value          |
|--|------------------|----------------|
| Silica   | Human and animal | Not classified |
| HYDROTREATED LIGHT PETROLEUM DISTILLATES                 | Guinea pig       | Not classified |
| Glycerin   | Guinea pig       | Not classified |
| SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM) | Guinea pig       | Not classified |
| Alkyloammonium Salt                                      | Mouse            | Sensitizing    |

### Respiratory Sensitization

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

### Germ Cell Mutagenicity

| Name   | Route    | Value  |
|--|----------|--|
| Silica   | In Vitro | Not mutagenic  |
| Oleic Acid   | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM) | In vivo  | Not mutagenic  |
| SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM) | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Alkyloammonium Salt                                      | In Vitro | Not mutagenic  |

### Carcinogenicity

| Name   | Route         | Species                 | Value  |
|--|---------------|-------------------------|--|
| Silica   | Not Specified | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| Kaolinite  | Inhalation    | Multiple animal species | Not carcinogenic   |
| Oleic Acid   | Dermal        | Mouse                   | Not carcinogenic   |
| Oleic Acid   | Ingestion     | Rat                     | Not carcinogenic   |
| Oleic Acid   | Not Specified | Multiple animal species | Not carcinogenic   |
| Glycerin   | Ingestion     | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM) | Dermal        | 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          |
|---------------------|-----------|--|---------|-----------------------|----------------------------|
| Silica              | Ingestion | Not classified for female reproduction | Rat     | NOAEL 509 mg/kg/day   | 1 generation               |
| Silica              | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 497 mg/kg/day   | 1 generation               |
| Silica              | Ingestion | Not classified for development         | Rat     | NOAEL 1,350 mg/kg/day | during organogenesis       |
| Glycerin            | Ingestion | Not classified for female reproduction | Rat     | NOAEL 2,000 mg/kg/day | 2 generation               |
| Glycerin            | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 2,000 mg/kg/day | 2 generation               |
| Glycerin            | Ingestion | Not classified for development         | Rat     | NOAEL 2,000 mg/kg/day | 2 generation               |
| Alkyloammonium Salt | Ingestion | Not classified for female reproduction | Rat     | NOAEL 1,000 mg/kg/day | prematuring into lactation |
| Alkyloammonium Salt | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 1,000 mg/kg/day | 28 days                    |
| Alkyloammonium Salt | Ingestion | Not classified for development         | Rat     | NOAEL 1,000 mg/kg/day | gestation into lactation   |

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure

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

### Specific Target Organ Toxicity - repeated exposure

| Name       | Route      | Target Organ(s)  | Value  | Species | Test Result           | Exposure Duration     |
|------------|------------|--|--|---------|-----------------------|-----------------------|
| Silica     | Inhalation | respiratory system   silicosis                             | Not classified   | Human   | NOAEL Not available   | occupational exposure |
| Kaolinite  | Inhalation | pneumoconiosis   | Causes damage to organs through prolonged or repeated exposure | Human   | NOAEL NA              | occupational exposure |
| Kaolinite  | Inhalation | pulmonary fibrosis   | Not classified   | Rat     | NOAEL Not available   |                       |
| Oleic Acid | Ingestion  | liver   immune system                                      | Not classified   | Rat     | NOAEL 2,250 mg/kg/day | 108 weeks             |
| Oleic Acid | Ingestion  | hematopoietic system                                       | Not classified   | Rat     | NOAEL 2,550 mg/kg/day | 108 weeks             |
| Glycerin   | Inhalation | respiratory system   heart   liver   kidney and/or bladder | Not classified   | Rat     | NOAEL 3.91 mg/l       | 14 days               |

|  |           |   |                |        |                              |         |
|--|-----------|---|----------------|--------|------------------------------|---------|
| Glycerin   | Ingestion | endocrine system   hematopoietic system   liver   kidney and/or bladder   | Not classified | Rat    | NOAEL<br>10,000<br>mg/kg/day | 2 years |
| SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM) | Dermal    | hematopoietic system   liver   kidney and/or bladder  | Not classified | Rabbit | NOAEL<br>5,000<br>mg/kg/day  | 3 weeks |
| Alkyloammonium Salt                                      | Ingestion | hematopoietic system   heart   endocrine system   gastrointestinal tract   bone, teeth, nails, and/or hair   liver   immune system   muscles   nervous system   eyes   kidney and/or bladder   respiratory system | Not classified | Rat    | NOAEL<br>1,000<br>mg/kg/day  | 35 days |

**Aspiration Hazard**

| Name   | Value             |
|--|-------------------|
| HYDROTREATED LIGHT PETROLEUM DISTILLATES                 | Aspiration hazard |
| SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM) | Aspiration hazard |

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

**SECTION 12: Ecological information****Ecotoxicological information**

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

**Chemical fate information**

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

**SECTION 13: Disposal considerations****13.1. Disposal methods**

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

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

**SECTION 14: Transport Information**

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

**SECTION 15: Regulatory information**

### 15.1. US Federal Regulations

Contact 3M for more information.

#### EPCRA 311/312 Hazard Classifications:

**Physical Hazards**

Not applicable

**Health Hazards**

Specific target organ toxicity (single or repeated exposure)

### 15.2. State Regulations

Contact 3M for more information.

### 15.3. Chemical Inventories

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

Contact 3M for more information.

### 15.4. International Regulations

Contact 3M for more information.

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## SECTION 16: Other information

#### NFPA Hazard Classification

**Health:** 1 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

**Document Group:** 29-3593-0  
**Issue Date:** 08/22/19

**Version Number:** 5.01  
**Supersedes Date:** 06/04/19

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from 3M.

3M USA SDSs are available at [www.3M.com](http://www.3M.com)



## Safety Data Sheet

Copyright, 2018, 3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Document Group:</b> | 31-3165-3 | <b>Version Number:</b>  | 4.01     |
| <b>Issue Date:</b>     | 07/03/18  | <b>Supersedes Date:</b> | 06/21/18 |

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Scratch Remover, 39044, 39044S, 39070

#### Product Identification Numbers

| ID Number      | UPC            | ID Number      | UPC            |
|----------------|----------------|----------------|----------------|
| LB-K100-1288-2 |                | LB-K100-1373-8 |                |
| 60-4550-5557-8 | 00051131390447 | 60-4550-6574-2 | 00051131390706 |
| 60-4550-6643-5 | 00051131390447 |                |                |

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

##### Recommended use

Automotive

#### 1.3. Supplier's details

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

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazard identification

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

#### 2.1. Hazard classification

Flammable Liquid: Category 3.

#### 2.2. Label elements

##### Signal word

Warning

##### Symbols

Flame |

**Pictograms****Hazard Statements**

Flammable liquid and vapor.

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

Keep out of reach of children.

**Prevention:**

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.

Wear protective gloves and eye/face protection.

**Response:**

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

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.

**Disposal:**

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

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

| Ingredient                                   | C.A.S. No. | % by Wt                  |
|--|------------|--------------------------|
| Water  | 7732-18-5  | 40 - 70 Trade Secret *   |
| Decamethylcyclopentasiloxane                 | 541-02-6   | < 10 Trade Secret *      |
| Distillates (Petroleum), Acid Treated, Light | 64742-14-9 | < 7 Trade Secret *       |
| Hydrotreated Light Petroleum Distillates     | 64742-47-8 | < 6 Trade Secret *       |
| Isopropyl Alcohol                            | 67-63-0    | < 6 Trade Secret *       |
| Aluminum Oxide (non-fibrous)                 | 1344-28-1  | 1 - 5 Trade Secret *     |
| Dodecamethylcyclohexasiloxane                | 540-97-6   | <= 5 Trade Secret *      |
| Kaolin, calcined                             | 92704-41-1 | 1 - 5 Trade Secret *     |
| Poly(Dimethylsiloxane)                       | 63148-62-9 | 1 - 5 Trade Secret *     |
| White Mineral Oil (Petroleum)                | 8042-47-5  | 0.5 - 1.5 Trade Secret * |

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

**SECTION 4: First aid measures**



#### 4.1. Description of first aid measures

**Inhalation:**

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

**Skin Contact:**

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

**Eye Contact:**

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

**If Swallowed:**

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

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

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

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

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. 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. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray. 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. 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 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>         |
|-----------------------------------|-------------------|---------------|--|------------------------------------|
| Aluminum Oxide (non-fibrous)      | 1344-28-1         | OSHA          | TWA(as total dust):15 mg/m3;TWA(respirable fraction):5 mg/m3 |                                    |
| Aluminum, insoluble compounds     | 1344-28-1         | ACGIH         | TWA(respirable fraction):1 mg/m3                             | A4: Not class. as human carcin     |
| Decamethylcyclpentasiloxane       | 541-02-6          | AIHA          | TWA:10 ppm   |                                    |
| Kerosine (petroleum)              | 64742-47-8        | ACGIH         | TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m3       | A3: Confirmed animal carcin., SKIN |
| Isopropyl Alcohol                 | 67-63-0           | ACGIH         | TWA:200 ppm;STEL:400 ppm                                     | A4: Not class. as human carcin     |
| Isopropyl Alcohol                 | 67-63-0           | OSHA          | TWA:980 mg/m3(400 ppm)                                       |                                    |
| MINERAL OILS, HIGHLY-REFINED OILS | 8042-47-5         | ACGIH         | TWA(inhalable fraction):5 mg/m3                              | A4: Not class. as human carcin     |
| Paraffin oil                      | 8042-47-5         | OSHA          | TWA(as mist):5 mg/m3   |                                    |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

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

TWA: Time-Weighted-Average  
 STEL: Short Term Exposure Limit  
 CEIL: Ceiling

## 8.2. Exposure controls

### 8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment. Use explosion-proof ventilation equipment.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

None required.

#### 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

#### 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

|  |  |
|--|--|
| <b>General Physical Form:</b>                  | Liquid   |
| <b>Odor, Color, Grade:</b>                     | Liquid with slight solvent odor                |
| <b>Odor threshold</b>                          | <i>No Data Available</i>                       |
| <b>pH</b>                                      | 8  |
| <b>Melting point</b>                           | <i>No Data Available</i>                       |
| <b>Boiling Point</b>                           | 212 °F   |
| <b>Flash Point</b>                             | 111 - 113 °F [ <i>Test Method:</i> Closed Cup] |
| <b>Evaporation rate</b>                        | <i>No Data Available</i>                       |
| <b>Flammability (solid, gas)</b>               | Not Applicable                                 |
| <b>Flammable Limits(LEL)</b>                   | <i>No Data Available</i>                       |
| <b>Flammable Limits(UEL)</b>                   | <i>No Data Available</i>                       |
| <b>Vapor Pressure</b>                          | 18 mmHg [ <i>@ 20 °C</i> ]                     |
| <b>Vapor Density</b>                           | <i>No Data Available</i>                       |
| <b>Density</b>                                 | 8.2 - 8.4 lb/gal                               |
| <b>Specific Gravity</b>                        | 0.98 - 1.00 [ <i>Ref Std:</i> WATER=1]         |
| <b>Solubility In Water</b>                     | <i>No Data Available</i>                       |
| <b>Solubility- non-water</b>                   | <i>No Data Available</i>                       |
| <b>Partition coefficient: n-octanol/ water</b> | <i>No Data Available</i>                       |
| <b>Autoignition temperature</b>                | <i>No Data Available</i>                       |
| <b>Decomposition temperature</b>               | <i>No Data Available</i>                       |

|                                |  |
|--------------------------------|--|
| Viscosity                      | 12,000 - 18,000 centipoise [ <i>Test Method</i> :Brookfield]     |
| Hazardous Air Pollutants       | 0.019 lb HAPS/lb solids [ <i>Test Method</i> :Calculated]        |
| Volatile Organic Compounds     | 15.8 % weight [ <i>Test Method</i> :calculated per CARB title 2] |
| Volatile Organic Compounds     | 164 g/l [ <i>Test Method</i> :calculated SCAQMD rule 443.1]      |
| Percent volatile               | 81.7 % weight [ <i>Test Method</i> :Estimated]                   |
| VOC Less H2O & Exempt Solvents | 462 g/l [ <i>Test Method</i> :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

Sparks and/or flames  
Heat  
Light

### 10.5. Incompatible materials

Strong oxidizing agents  
Strong acids

### 10.6. Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| None known.      |                  |

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

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

### 11.1. Information on Toxicological effects

#### Signs and Symptoms of Exposure

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

#### Inhalation:

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

#### Skin Contact:

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

#### Eye Contact:

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

#### Ingestion:

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

#### 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                              | Ingestion                      |         | No data available; calculated ATE >5,000 mg/kg |
| Decamethylcyclopentasiloxane                 | Dermal                         | Rabbit  | LD50 > 15,000 mg/kg                            |
| Decamethylcyclopentasiloxane                 | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 8.7 mg/l                                  |
| Decamethylcyclopentasiloxane                 | Ingestion                      | Rat     | LD50 > 24,134 mg/kg                            |
| Isopropyl Alcohol                            | Dermal                         | Rabbit  | LD50 12,870 mg/kg                              |
| Isopropyl Alcohol                            | Inhalation-Vapor (4 hours)     | Rat     | LC50 72.6 mg/l                                 |
| Isopropyl Alcohol                            | Ingestion                      | Rat     | LD50 4,710 mg/kg                               |
| Distillates (Petroleum), Acid Treated, Light | Dermal                         | Rabbit  | LD50 > 2,000 mg/kg                             |
| Distillates (Petroleum), Acid Treated, Light | Ingestion                      | Rat     | LD50 > 5,000 mg/kg                             |
| Hydrotreated Light Petroleum Distillates     | Dermal                         | Rabbit  | LD50 > 3,160 mg/kg                             |
| Hydrotreated Light Petroleum Distillates     | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 3 mg/l                                  |
| Hydrotreated Light Petroleum Distillates     | Ingestion                      | Rat     | LD50 > 5,000 mg/kg                             |
| Dodecamethylcyclohexasiloxane                | Dermal                         | Rat     | LD50 > 2,000 mg/kg                             |
| Dodecamethylcyclohexasiloxane                | Ingestion                      | Rat     | LD50 > 50,000 mg/kg                            |
| Aluminum Oxide (non-fibrous)                 | Dermal                         |         | LD50 estimated to be > 5,000 mg/kg             |
| Aluminum Oxide (non-fibrous)                 | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 2.3 mg/l                                |
| Aluminum Oxide (non-fibrous)                 | Ingestion                      | Rat     | LD50 > 5,000 mg/kg                             |
| Kaolin, calcined                             | Dermal                         |         | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| Poly(Dimethylsiloxane)                       | Dermal                         | Rabbit  | LD50 > 19,400 mg/kg                            |
| Kaolin, calcined                             | Ingestion                      | Rat     | LD50 > 2,000 mg/kg                             |
| Poly(Dimethylsiloxane)                       | Ingestion                      | Rat     | LD50 > 17,000 mg/kg                            |
| White Mineral Oil (Petroleum)                | Dermal                         | Rabbit  | LD50 > 2,000 mg/kg                             |
| White Mineral Oil (Petroleum)                | Ingestion                      | Rat     | LD50 > 5,000 mg/kg                             |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name   | Species                 | Value                     |
|--|-------------------------|---------------------------|
| Decamethylcyclopentasiloxane                 | Rabbit                  | No significant irritation |
| Isopropyl Alcohol                            | Multiple animal species | No significant irritation |
| Distillates (Petroleum), Acid Treated, Light | Professional judgement  | Mild irritant             |
| Hydrotreated Light Petroleum Distillates     | Rabbit                  | Mild irritant             |
| Dodecamethylcyclohexasiloxane                | Rabbit                  | No significant irritation |

|                               |        |                           |
|-------------------------------|--------|---------------------------|
| Aluminum Oxide (non-fibrous)  | Rabbit | No significant irritation |
| Poly(Dimethylsiloxane)        | Rabbit | No significant irritation |
| White Mineral Oil (Petroleum) | Rabbit | No significant irritation |

### Serious Eye Damage/Irritation

| Name   | Species                | Value                     |
|--|------------------------|---------------------------|
| Decamethylcyclopentasiloxane                 | Rabbit                 | No significant irritation |
| Isopropyl Alcohol                            | Rabbit                 | Severe irritant           |
| Distillates (Petroleum), Acid Treated, Light | Professional judgement | Mild irritant             |
| Hydrotreated Light Petroleum Distillates     | Rabbit                 | Mild irritant             |
| Dodecamethylcyclohexasiloxane                | Rabbit                 | No significant irritation |
| Aluminum Oxide (non-fibrous)                 | Rabbit                 | No significant irritation |
| Poly(Dimethylsiloxane)                       | Rabbit                 | No significant irritation |
| White Mineral Oil (Petroleum)                | Rabbit                 | Mild irritant             |

### Skin Sensitization

| Name   | Species    | Value          |
|--|------------|----------------|
| Decamethylcyclopentasiloxane                 | Mouse      | Not classified |
| Isopropyl Alcohol                            | Guinea pig | Not classified |
| Distillates (Petroleum), Acid Treated, Light | Guinea pig | Not classified |
| Hydrotreated Light Petroleum Distillates     | Guinea pig | Not classified |
| White Mineral Oil (Petroleum)                | Guinea pig | 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         |
|--|----------|---------------|
| Decamethylcyclopentasiloxane                 | In Vitro | Not mutagenic |
| Decamethylcyclopentasiloxane                 | In vivo  | Not mutagenic |
| Isopropyl Alcohol                            | In Vitro | Not mutagenic |
| Isopropyl Alcohol                            | In vivo  | Not mutagenic |
| Distillates (Petroleum), Acid Treated, Light | In Vitro | Not mutagenic |
| Hydrotreated Light Petroleum Distillates     | In Vitro | Not mutagenic |
| Aluminum Oxide (non-fibrous)                 | In Vitro | Not mutagenic |
| White Mineral Oil (Petroleum)                | In Vitro | Not mutagenic |

### Carcinogenicity

| Name   | Route      | Species                 | Value  |
|--|------------|-------------------------|--|
| Decamethylcyclopentasiloxane                 | Inhalation | Rat                     | Some positive data exist, but the data are not sufficient for classification |
| Isopropyl Alcohol                            | Inhalation | Rat                     | Some positive data exist, but the data are not sufficient for classification |
| Distillates (Petroleum), Acid Treated, Light | Dermal     | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| Hydrotreated Light Petroleum Distillates     | Dermal     | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| Aluminum Oxide (non-fibrous)                 | Inhalation | Rat                     | Not carcinogenic   |
| White Mineral Oil (Petroleum)                | Dermal     | Mouse                   | Not carcinogenic   |
| White Mineral Oil (Petroleum)                | Inhalation | Multiple animal species | Not carcinogenic   |

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

| Name                          | Route      | Value                                  | Species | Test Result           | Exposure Duration              |
|-------------------------------|------------|--|---------|-----------------------|--------------------------------|
| Decamethylcyclopentasiloxane  | Inhalation | Not classified for female reproduction | Rat     | NOAEL 2.43 mg/l       | 2 generation                   |
| Decamethylcyclopentasiloxane  | Inhalation | Not classified for male reproduction   | Rat     | NOAEL 2.43 mg/l       | 2 generation                   |
| Decamethylcyclopentasiloxane  | Inhalation | Not classified for development         | Rat     | NOAEL 2.43 mg/l       | 2 generation                   |
| Isopropyl Alcohol             | Ingestion  | Not classified for development         | Rat     | NOAEL 400 mg/kg/day   | during organogenesis           |
| Isopropyl Alcohol             | Inhalation | Not classified for development         | Rat     | LOAEL 9 mg/l          | during gestation               |
| Dodecamethylcyclohexasiloxane | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 1,000 mg/kg/day | prematuring & during gestation |
| Dodecamethylcyclohexasiloxane | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 1,000 mg/kg/day | 28 days                        |
| Dodecamethylcyclohexasiloxane | Ingestion  | Not classified for development         | Rat     | NOAEL 1,000 mg/kg/day | prematuring & during gestation |
| White Mineral Oil (Petroleum) | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 4,350 mg/kg/day | 13 weeks                       |
| White Mineral Oil (Petroleum) | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 4,350 mg/kg/day | 13 weeks                       |
| White Mineral Oil (Petroleum) | Ingestion  | Not classified for development         | Rat     | NOAEL 4,350 mg/kg/day | during gestation               |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name   | Route      | Target Organ(s)                   | Value  | Species                | Test Result         | Exposure Duration      |
|--|------------|-----------------------------------|--|------------------------|---------------------|------------------------|
| Isopropyl Alcohol                            | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human                  | NOAEL Not available |                        |
| Isopropyl Alcohol                            | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                  | NOAEL Not available |                        |
| Isopropyl Alcohol                            | Inhalation | auditory system                   | Not classified   | Guinea pig             | NOAEL 13.4 mg/l     | 24 hours               |
| Isopropyl Alcohol                            | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Human                  | NOAEL Not available | poisoning and/or abuse |
| Distillates (Petroleum), Acid Treated, Light | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human and animal       | NOAEL Not available |                        |
| Distillates (Petroleum), Acid Treated, Light | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification |                        | NOAEL Not available |                        |
| Distillates (Petroleum), Acid Treated, Light | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Professional judgement | NOAEL Not available |                        |
| Hydrotreated Light Petroleum Distillates     | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human and animal       | NOAEL Not available |                        |
| Hydrotreated Light Petroleum Distillates     | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification |                        | NOAEL Not available |                        |
| Hydrotreated Light Petroleum Distillates     | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Professional judgement | NOAEL Not available |                        |

**Specific Target Organ Toxicity - repeated exposure**

| Name                          | Route      | Target Organ(s)   | Value  | Species | Test Result           | Exposure Duration     |
|-------------------------------|------------|---|--|---------|-----------------------|-----------------------|
| Decamethylcyclopentasiloxane  | Dermal     | hematopoietic system   eyes   | Not classified   | Rat     | NOAEL 1,600 mg/kg/day | 28 days               |
| Decamethylcyclopentasiloxane  | Inhalation | hematopoietic system   respiratory system   liver   eyes   kidney and/or bladder                  | Not classified   | Rat     | NOAEL 2.42 mg/l       | 2 years               |
| Decamethylcyclopentasiloxane  | Ingestion  | liver   immune system   respiratory system   heart   hematopoietic system   kidney and/or bladder | Not classified   | Rat     | NOAEL 1,000 mg/kg/day | 90 days               |
| Isopropyl Alcohol             | Inhalation | kidney and/or bladder   | Not classified   | Rat     | NOAEL 12.3 mg/l       | 24 months             |
| Isopropyl Alcohol             | Inhalation | nervous system  | Not classified   | Rat     | NOAEL 12 mg/l         | 13 weeks              |
| Isopropyl Alcohol             | Ingestion  | kidney and/or bladder   | Not classified   | Rat     | NOAEL 400 mg/kg/day   | 12 weeks              |
| Dodecamethylcyclohexasiloxane | Ingestion  | endocrine system   liver   respiratory system   nervous system                                    | Not classified   | Rat     | NOAEL 1,000 mg/kg/day | 28 days               |
| Aluminum Oxide (non-fibrous)  | Inhalation | pneumoconiosis  | Some positive data exist, but the data are not sufficient for classification | Human   | NOAEL Not available   | occupational exposure |
| Aluminum Oxide (non-fibrous)  | Inhalation | pulmonary fibrosis  | Not classified   | Human   | NOAEL Not available   | occupational exposure |
| White Mineral Oil (Petroleum) | Ingestion  | hematopoietic system  | Not classified   | Rat     | NOAEL 1,381 mg/kg/day | 90 days               |
| White Mineral Oil (Petroleum) | Ingestion  | liver   immune system   | Not classified   | Rat     | NOAEL 1,336 mg/kg/day | 90 days               |

**Aspiration Hazard**

| Name   | Value             |
|--|-------------------|
| Distillates (Petroleum), Acid Treated, Light | Aspiration hazard |
| Hydrotreated Light Petroleum Distillates     | Aspiration hazard |
| White Mineral Oil (Petroleum)                | 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.

## 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

Not applicable

### 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.

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: 2 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: 31-3165-3  
Issue Date: 07/03/18

Version Number: 4.01  
Supersedes Date: 06/21/18

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from 3M.

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