

# Safety Data Sheet

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

| <b>SECTION 1:</b>   | Identification   |                    |                      |                |  |
|---|--|--------------------|----------------------|----------------|--|
| <b>1.1. Product identifie</b><br>3M <sup>™</sup> Finesse-It Mari  | er<br>ne Paste Compound, 06039   |                    |                      |                |  |
| <b>Product Identification</b><br>LB-K100-1656-7<br>60-9800-1200-3 |  | 000                | 60-4550-8403-2       | 60-4550-8404-0 |  |
| 1.2. Recommended u  | se and restrictions on use   |                    |                      |                |  |
| <b>Intended Use</b><br>License plate stickers                     |  |                    |                      |                |  |
| <b>Specific Use</b><br>Aggressive compound                        | Specific Use<br>Aggressive compounding of gelcoated fiberglass surfaces                                  |                    |                      |                |  |
| Restrictions on use<br>Not applicable                             |  |                    |                      |                |  |
| 1.3. Supplier's detail  | s  |                    |                      |                |  |
| Company:<br>Division:<br>Address:<br>Telephone:<br>Website:       | 3M Canada Company<br>Automotive Aftermarket<br>1840 Oxford Street East, F<br>(800) 364-3577<br>www.3M.ca | Post Office Box 57 | 757, London, Ontario | N6A 4T1        |  |

#### **1.4. Emergency telephone number**

Medical Emergency Telephone:1-800-3M HELPS / 1-800-364-3577; Transportation Emergency Telephone (CANUTEC): (613) 996-6666

## **SECTION 2: Hazard identification**

### 2.1. Classification of the substance or mixture

Carcinogenicity: Category 1A. Specific Target Organ Toxicity (single exposure): Category 3. Specific Target Organ Toxicity (repeated exposure): Category 1. **2.2. Label elements Signal word** Danger

Symbols Exclamation mark | Health Hazard |

#### **Pictograms**



#### Hazard statements

May cause drowsiness or dizziness. May cause cancer.

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

#### **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. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves. Do not eat, drink or smoke when using this product. Wash exposed skin thoroughly after handling.

#### **Response:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention.

#### **Storage:**

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

#### **Disposal:**

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

#### 2.3. Other hazards

None known.

59% of the mixture consists of ingredients of unknown acute inhalation toxicity.

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

#### This material is a mixture.

| Ingredient                   | C.A.S. No. | % by Wt                | Common Name                                |
|------------------------------|------------|------------------------|--|
| Quartz Silica                | 14808-60-7 | 15 - 40 Trade Secret * | Quartz (SiO2)                              |
| Water                        | 7732-18-5  | 15 - 40                | Water                                      |
| Kerosene                     | 8008-20-6  | 10 - 30 Trade Secret * | Kerosine, petroleum                        |
| Hydrotreated Light Petroleum | 64742-47-8 | 7 - 13                 | Distillates, petroleum, hydrotreated light |
| Distillates                  |            |                        |  |
| Pine Oil                     | 8002-09-3  | 1 - 5                  | Oils, pine                                 |

| Triethanolamine | 102-71-6 | 1 - 5   | Ethanol, 2,2',2"-nitrilotris- |
|-----------------|----------|---------|-------------------------------|
| Oleic Acid      | 112-80-1 | 0.5 - 2 | 9-Octadecenoic acid (Z)-      |
| Naphthalene     | 91-20-3  | < 0.6   | Naphthalene                   |

\*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:

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

Central nervous system depression (headache, dizziness, drowsiness, incoordination, nausea, slurred speech, giddiness, and unconsciousness). Target organ effects following prolonged or repeated exposure. See Section 11 for additional details.

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

Not applicable

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

#### 5.1. Suitable extinguishing media

Use a fire fighting agent suitable for the surrounding fire.

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

None inherent in this product.

#### Hazardous Decomposition or By-Products

| <u>Substance</u>              | <u>Condition</u>  |
|-------------------------------|-------------------|
| Carbon monoxide               | During Combustion |
| Carbon dioxide                | During Combustion |
| Oxides of Nitrogen            | During Combustion |
| Toxic Vapor, Gas, Particulate | During Combustion |

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

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

## **SECTION 6: Accidental release measures**

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

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. 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 handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Use personal protective equipment (gloves, respirators, etc.) as required.

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

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

# **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               | <b>Additional Comments</b> |
|----------------------|------------|--------|--------------------------|----------------------------|
| Triethanolamine      | 102-71-6   | ACGIH  | TWA:5 mg/m3              |                            |
| Quartz Silica        | 14808-60-7 | ACGIH  | TWA(respirable           |                            |
|                      |            |        | fraction):0.025 mg/m3    |                            |
| Kerosine (petroleum) | 64742-47-8 | ACGIH  | TWA(as total hydrocarbon | SKIN                       |
|                      |            |        | vapor, non-aerosol):200  |                            |
|                      |            |        | mg/m3                    |                            |
| Kerosene             | 8008-20-6  | ACGIH  | TWA(as total hydrocarbon | SKIN                       |
|                      |            |        | vapor, non-aerosol):200  |                            |
|                      |            |        | mg/m3                    |                            |
| Naphthalene          | 91-20-3    | ACGIH  | TWA:10 ppm               | Danger of cutaneous        |
|                      |            |        |                          | absorption                 |

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. Provide appropriate local exhaust ventilation for cutting, grinding, sanding or machining.

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

#### **Eye/face protection**

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

Safety Glasses with side shields

#### Skin/hand protection

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

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

#### **Respiratory protection**

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

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

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

# **SECTION 9: Physical and chemical properties**

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

| Physical state                                | Liquid  |  |  |
|---|---|--|--|
| Specific Physical Form:                       | Viscous   |  |  |
|   |   |  |  |
| Colour  | Off-White   |  |  |
| Odour   | Pina colada   |  |  |
| Odour threshold                               | No Data Available   |  |  |
| рН  | 8.4 - 8.9   |  |  |
| Melting point/Freezing point                  | No Data Available   |  |  |
| Boiling point                                 | No Data Available   |  |  |
| 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   |  |  |
| Vapour Pressure                               | No Data Available   |  |  |
| Vapour Density and/or Relative Vapour Density | y No Data Available   |  |  |
| Density                                       | 1.14 - 1.17 g/ml  |  |  |
| Relative density                              | 1.14 - 1.17 [ <i>Ref Std</i> :WATER=1]                      |  |  |
| Water solubility                              | Not Applicable  |  |  |
| Solubility- non-water                         | No Data Available   |  |  |
| Partition coefficient: n-octanol/ water       | No Data Available   |  |  |
| Autoignition temperature                      | No Data Available   |  |  |
| Decomposition temperature                     | No Data Available   |  |  |
| Viscosity/Kinematic Viscosity                 | 125,000 - 250,000 mPa-s [@ 23 °C ]                          |  |  |
| Volatile Organic Compounds                    | 399 g/l [ <i>Test Method</i> :calculated SCAQMD rule 443.1] |  |  |

| Volatile Organic Compounds     | 24.2 % weight [Test Method:calculated per CARB title 2] |
|--------------------------------|---|
| Percent volatile               | 61.8 % weight [Test Method: Estimated]                  |
| VOC Less H2O & Exempt Solvents | 591 g/l [Test Method: calculated SCAQMD rule 443.1]     |

## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

This material is considered to be non reactive under normal use conditions.

## 10.2. Chemical stability

Stable.

#### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

**10.4. Conditions to avoid** None known.

# **10.5. Incompatible materials**

None known.

## 10.6. Hazardous decomposition products

<u>Substance</u>

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.

Condition

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure

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

## Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects (see below).

## Skin Contact:

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. May cause additional health effects (see below).

## 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.

May cause additional health effects (see below).

#### **Additional Health Effects:**

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

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

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

Silicosis: Signs/symptoms may include breathlessness, weakness, chest pain, persistent cough, increased amounts of sputum, and heart disease.

#### Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

| Ingredient  | CAS No.    | Class Description              | Regulation                                  |
|---|------------|--------------------------------|---|
| Silica, Crystalline (Respirable Size)                           | 14808-60-7 | Known To Be Human Carcinogen.  | National Toxicology Program Carcinogens     |
| Naphthalene   | 91-20-3    | Grp. 2B: Possible human carc.  | International Agency for Research on Cancer |
| Naphthalene   | 91-20-3    | Anticipated human carcinogen   | National Toxicology Program Carcinogens     |
| Silica dust, crystalline, in the form of quartz or cristobalite | 14808-60-7 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |

#### **Toxicological Data**

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

#### **Acute Toxicity**

| Name                                     | Route                                 | Species       | Value  |
|--|---------------------------------------|---------------|--|
| Overall product                          | Dermal                                |               | No data available; calculated ATE >5,000 mg/kg |
| Overall product                          | Inhalation-<br>Dust/Mist(4<br>hr)     |               | No data available; calculated ATE >12.5 mg/l   |
| Overall product                          | Ingestion                             |               | No data available; calculated ATE >5,000 mg/kg |
| Quartz Silica                            | Dermal                                |               | LD50 estimated to be > 5,000 mg/kg             |
| Quartz Silica                            | Ingestion                             |               | LD50 estimated to be > 5,000 mg/kg             |
| Kerosene                                 | Dermal                                | Rabbit        | LD50 > 2,000 mg/kg                             |
| Kerosene                                 | Inhalation-<br>Vapor (4<br>hours)     | Rat           | LC50 > 5 mg/l                                  |
| Kerosene                                 | Ingestion                             | Rat           | LD50 > 5,000 mg/kg                             |
| Hydrotreated Light Petroleum Distillates | Dermal                                | Rabbit        | LD50 > 3,160 mg/kg                             |
| Hydrotreated Light Petroleum Distillates | Inhalation-<br>Dust/Mist<br>(4 hours) | Rat           | LC50 > 3 mg/l                                  |
| Hydrotreated Light Petroleum Distillates | Ingestion                             | Rat           | LD50 > 5,000 mg/kg                             |
| Pine Oil                                 | Dermal                                | Rat           | LD50 > 2,000 mg/kg                             |
| Pine Oil                                 | Inhalation-<br>Dust/Mist<br>(4 hours) | Rat           | LC50 > 4.76 mg/l                               |
| Pine Oil                                 | Ingestion                             | Rat           | LD50 > 2,000 mg/kg                             |
| Oleic Acid                               | Dermal                                | Guinea<br>pig | LD50 > 3,000 mg/kg                             |
| Oleic Acid                               | Ingestion                             | Rat           | LD50 57,000 mg/kg                              |
| Triethanolamine                          | Dermal                                | Rabbit        | LD50 > 2,000 mg/kg                             |
| Triethanolamine                          | Ingestion                             | Rat           | LD50 9,000 mg/kg                               |
| Naphthalene                              | Dermal                                | Human         | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| Naphthalene                              | Inhalation-<br>Vapor                  | Human         | LC50 estimated to be 20 - 50 mg/l              |
| Naphthalene                              | Ingestion                             | Human         | LD50 estimated to be 300 - 2,000 mg/kg         |

ATE = acute toxicity estimate

### **Skin Corrosion/Irritation**

| Name                                     | Species                           | Value                     |
|--|-----------------------------------|---------------------------|
| Quartz Silica                            | Professio<br>nal<br>judgeme<br>nt | No significant irritation |
| Kerosene                                 | Rabbit                            | Minimal irritation        |
| Hydrotreated Light Petroleum Distillates | Rabbit                            | Mild irritant             |
| Pine Oil                                 | Rabbit                            | Irritant                  |
| Oleic Acid                               | Rabbit                            | Minimal irritation        |
| Triethanolamine                          | Rabbit                            | Minimal irritation        |
| Naphthalene                              | Rabbit                            | Minimal irritation        |

## Serious Eye Damage/Irritation

| Name                                     | Species | Value                     |
|--|---------|---------------------------|
|  |         |                           |
| Kerosene                                 | Rabbit  | No significant irritation |
| Hydrotreated Light Petroleum Distillates | Rabbit  | Mild irritant             |
| Pine Oil                                 | Rabbit  | Moderate irritant         |
| Oleic Acid                               | Rabbit  | Mild irritant             |
| Triethanolamine                          | Rabbit  | Mild irritant             |
| Naphthalene                              | Rabbit  | No significant irritation |

#### Skin Sensitization

| Name                                     | Species | Value          |
|--|---------|----------------|
| Kerosene                                 | Guinea  | Not classified |
|  | pig     |                |
| Hydrotreated Light Petroleum Distillates | Guinea  | Not classified |
|  | pig     |                |
| Pine Oil                                 | Human   | Not classified |
|  | and     |                |
|  | animal  |                |
| Triethanolamine                          | Human   | Not classified |

## **Respiratory Sensitization**

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

## Germ Cell Mutagenicity

| Name                                     | Route    | Value  |
|--|----------|--|
|  |          |  |
| Quartz Silica                            | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Quartz Silica                            | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| Kerosene                                 | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Kerosene                                 | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| Hydrotreated Light Petroleum Distillates | In Vitro | Not mutagenic  |
| Pine Oil                                 | In Vitro | Not mutagenic  |
| Oleic Acid                               | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Triethanolamine                          | In Vitro | Not mutagenic  |
| Triethanolamine                          | In vivo  | Not mutagenic  |

## Carcinogenicity

| Name          | Route      | Species | Value  |
|---------------|------------|---------|--|
| Quartz Silica | Inhalation | Human   | Carcinogenic                                   |
|               |            | and     | -  |
|               |            | animal  |  |
| Kerosene      | 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 |
|--|------------------|-------------------------------|--|
| Oleic Acid                               | Dermal           | Mouse                         | Not carcinogenic   |
| Oleic Acid                               | Ingestion        | Rat                           | Not carcinogenic   |
| Oleic Acid                               | Not<br>Specified | Multiple<br>animal<br>species | Not carcinogenic   |
| Triethanolamine                          | Dermal           | Multiple<br>animal<br>species | Not carcinogenic   |
| Triethanolamine                          | Ingestion        | Mouse                         | Some positive data exist, but the data are not sufficient for classification |
| Naphthalene                              | Inhalation       | Multiple<br>animal<br>species | Carcinogenic   |

# **Reproductive Toxicity**

## **Reproductive and/or Developmental Effects**

| Name            | Route      | Value                                  | Species | Test result              | Exposure<br>Duration               |
|-----------------|------------|--|---------|--------------------------|------------------------------------|
| Kerosene        | Dermal     | Not classified for female reproduction | Rat     | NOAEL 494<br>mg/kg/day   | premating &<br>during<br>gestation |
| Kerosene        | Dermal     | Not classified for male reproduction   | Rat     | NOAEL 494<br>mg/kg/day   | premating &<br>during<br>gestation |
| Kerosene        | Dermal     | Not classified for development         | Rat     | NOAEL 494<br>mg/kg/day   | premating &<br>during<br>gestation |
| Kerosene        | Inhalation | Not classified for development         | Rat     | NOAEL 400<br>ppm         | during<br>organogenesi<br>s        |
| Pine Oil        | Ingestion  | Not classified for development         | Rat     | NOAEL 600<br>mg/kg/day   | during<br>gestation                |
| Pine Oil        | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 250<br>mg/kg/day   | premating into lactation           |
| Pine Oil        | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 250<br>mg/kg/day   | 5 weeks                            |
| Triethanolamine | Ingestion  | Not classified for development         | Mouse   | NOAEL 1,125<br>mg/kg/day | during<br>organogenesi<br>s        |

# Target Organ(s)

## Specific Target Organ Toxicity - single exposure

| Name  | Route      | Target Organ(s)                      | Value  | Species                       | Test result            | Exposure<br>Duration      |
|---|------------|--------------------------------------|--|-------------------------------|------------------------|---------------------------|
| Kerosene                                    | Inhalation | central nervous<br>system depression | May cause drowsiness or dizziness  | Human                         | NOAEL not available    | occupational exposure     |
| Kerosene                                    | Inhalation | respiratory irritation               | Some positive data exist, but the data are not sufficient for classification | Multiple<br>animal<br>species | NOAEL not<br>available | not available             |
| Kerosene                                    | Ingestion  | central nervous<br>system depression | May cause drowsiness or dizziness  | Human                         | NOAEL not available    | poisoning<br>and/or abuse |
| Kerosene                                    | Ingestion  | kidney and/or<br>bladder             | Not classified   | Rat                           | NOAEL not<br>available | not applicable            |
| Kerosene                                    | Ingestion  | liver                                | Not classified   | Rat                           | LOAEL<br>18,912 mg/kg  | not applicable            |
| Kerosene                                    | Ingestion  | heart  <br>hematoppoitic<br>system   | Not classified   | Human                         | NOAEL not<br>available | poisoning<br>and/or abuse |
| Hydrotreated Light<br>Petroleum Distillates | Inhalation | central nervous<br>system depression | May cause drowsiness or dizziness  | Human<br>and<br>animal        | NOAEL Not<br>available |                           |

| Hydrotreated Light<br>Petroleum Distillates | Inhalation | respiratory irritation               | Some positive data exist, but the data are not sufficient for classification |                                   | NOAEL Not<br>available |                           |
|---|------------|--------------------------------------|--|-----------------------------------|------------------------|---------------------------|
| Hydrotreated Light<br>Petroleum Distillates | Ingestion  | central nervous<br>system depression | May cause drowsiness or<br>dizziness   | Professio<br>nal<br>judgeme<br>nt | NOAEL Not<br>available |                           |
| Pine Oil                                    | Inhalation | respiratory irritation               | Some positive data exist, but the data are not sufficient for classification | similar<br>health<br>hazards      | NOAEL not<br>available |                           |
| Naphthalene                                 | Ingestion  | blood                                | Causes damage to organs  | Human                             | NOAEL Not<br>available | poisoning<br>and/or abuse |

# Specific Target Organ Toxicity - repeated exposure

| Name            | Route      | Target Organ(s)   | Value  | Species                       | Test result                 | Exposure<br>Duration  |
|-----------------|------------|---|--|-------------------------------|-----------------------------|-----------------------|
| Quartz Silica   | Inhalation | silicosis   | Causes damage to organs through prolonged or repeated exposure | Human                         | NOAEL Not<br>available      | occupational exposure |
| Kerosene        | Dermal     | hematopoietic<br>system   | Not classified   | Mouse                         | NOAEL 500<br>mg/kg/day      | 13 weeks              |
| Kerosene        | Dermal     | liver   immune<br>system   kidney<br>and/or bladder   | Not classified   | Mouse                         | NOAEL 500<br>mg/kg/day      | 2 years               |
| Kerosene        | Dermal     | nervous system  | Not classified   | Mouse                         | NOAEL<br>2,700<br>mg/kg/day | 1 weeks               |
| Kerosene        | Dermal     | heart  <br>gastrointestinal tract<br>  muscles  <br>respiratory system  | Not classified   | Mouse                         | NOAEL 500<br>mg/kg/day      | 2 years               |
| Kerosene        | Inhalation | kidney and/or<br>bladder  | Not classified   | Rat                           | NOAEL not<br>available      | 1 years               |
| Kerosene        | Inhalation | liver   | Not classified   | Rat                           | NOAEL<br>0.231 mg/l         | 14 weeks              |
| Kerosene        | Inhalation | heart   | Not classified   | Guinea<br>pig                 | LOAEL 20.4<br>mg/l          | not available         |
| Kerosene        | Inhalation | gastrointestinal tract<br>  hematopoietic<br>system   muscles  <br>respiratory system   | Not classified   | Multiple<br>animal<br>species | NOAEL 0.1<br>mg/l           | 13 weeks              |
| Pine Oil        | Inhalation | hematopoietic<br>system   eyes  <br>respiratory system  | Not classified   | Rat                           | NOAEL 2.23<br>mg/l          | 13 weeks              |
| Pine Oil        | Ingestion  | liver   kidney and/or<br>bladder   heart   skin<br>  endocrine system  <br>gastrointestinal tract<br>  bone, teeth, nails,<br>and/or hair  <br>hematopoietic<br>system   immune<br>system   muscles  <br>nervous system  <br>respiratory system | Not classified   | Rat                           | NOAEL 750<br>mg/kg/day      | 5 weeks               |
| Oleic Acid      | Ingestion  | liver   immune<br>system  | Not classified   | Rat                           | NOAEL<br>2,250<br>mg/kg/day | 108 weeks             |
| Oleic Acid      | Ingestion  | hematopoietic<br>system   | Not classified   | Rat                           | NOAEL<br>2,550<br>mg/kg/day | 108 weeks             |
| Triethanolamine | Dermal     | kidney and/or<br>bladder  | Not classified   | Multiple<br>animal<br>species | NOAEL<br>2,000<br>mg/kg/day | 2 years               |
| Triethanolamine | Dermal     | liver   | Not classified   | Mouse                         | NOAEL<br>4,000<br>mg/kg/day | 13 weeks              |
| Triethanolamine | Ingestion  | kidney and/or   | Some positive data exist, but the                              | Rat                           | LOAEL                       | 2 years               |

|                 |            | bladder            | data are not sufficient for classification                             |               | 1,000<br>mg/kg/day          |                           |
|-----------------|------------|--------------------|--|---------------|-----------------------------|---------------------------|
| Triethanolamine | Ingestion  | liver              | Not classified   | Guinea<br>pig | NOAEL<br>1,600<br>mg/kg/day | 24 weeks                  |
| Naphthalene     | Dermal     | blood              | Causes damage to organs through prolonged or repeated exposure         | Human         | NOAEL Not<br>available      | poisoning<br>and/or abuse |
| Naphthalene     | Dermal     | eyes               | Not classified   | Human         | NOAEL Not<br>available      | occupational exposure     |
| Naphthalene     | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure         | Rat           | LOAEL 0.01<br>mg/l          | 13 weeks                  |
| Naphthalene     | Inhalation | blood              | Causes damage to organs through prolonged or repeated exposure         | Human         | NOAEL Not<br>available      | poisoning<br>and/or abuse |
| Naphthalene     | Inhalation | eyes               | Not classified   | Human         | NOAEL Not<br>available      | occupational exposure     |
| Naphthalene     | Ingestion  | blood              | Causes damage to organs through prolonged or repeated exposure         | Human         | NOAEL Not<br>available      | poisoning<br>and/or abuse |
| Naphthalene     | Ingestion  | eyes               | May cause damage to organs<br>though prolonged or repeated<br>exposure | Rabbit        | LOAEL 500<br>mg/kg/day      | 15 days                   |

#### **Aspiration Hazard**

| Name                                     | Value             |
|--|-------------------|
| Kerosene                                 | Aspiration hazard |
| Hydrotreated Light Petroleum Distillates | Aspiration hazard |

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

# **SECTION 12: Ecological information**

No data available.

# **SECTION 13: Disposal considerations**

#### 13.1. Disposal methods

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

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

# **SECTION 14: Transport Information**

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

# **SECTION 15: Regulatory information**

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **Global inventory status**

Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea

Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

# **SECTION 16: Other information**

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

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

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

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#### 3M Canada SDSs are available at www.3M.ca