



## Safety Data Sheet

Copyright, 2026, 3M Canada 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> | 10-2790-3  | <b>Version number:</b>  | 17.04      |
| <b>Issue Date:</b>     | 2026/01/07 | <b>Supersedes Date:</b> | 2025/06/19 |

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

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Neoprene High Performance Contact Adhesive 1357, Light Yellow

##### Product Identification Numbers

|                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|
| 62-1368-5501-2 | 62-1368-6530-0 | 62-1368-6535-9 | 62-1368-7535-8 | 62-1368-7536-6 |
| 62-1368-8535-7 | 62-1368-8536-5 | 62-1368-9535-6 | H0-0021-6110-9 |                |

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

##### Intended Use

Industrial use

##### Specific Use

Adhesive

##### Restrictions on use

Not applicable

#### 1.3. Supplier's details

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

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazard identification

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

Flammable Liquid: Category 2.

Skin Corrosion/Irritation: Category 2.

Serious Eye Damage/Irritation: Category 2A.

Skin Sensitizer: Category 1A.

Carcinogenicity: Category 2.

Reproductive Toxicity: Category 1B.  
Specific Target Organ Toxicity (repeated exposure): Category 1.  
Specific Target Organ Toxicity (single exposure): Category 3.

## 2.2. Label elements

### Signal word

Danger

### Symbols

Flame | Exclamation mark | Health Hazard |

### Pictograms



### Hazard Statements

Highly flammable liquid and vapour.  
Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer. May damage fertility or the unborn child. May cause drowsiness or dizziness.

Causes damage to organs through prolonged or repeated exposure: cardiovascular system | kidney/urinary tract | liver | nervous system | respiratory system | sensory organs.

### Precautionary statements

#### Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe vapor or spray. Wash exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and if needed, respiratory protection (see SDS Section 8).

#### Response:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Call a POISON CENTER or doctor if you feel unwell. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical advice. Take off contaminated clothing and wash it before reuse. In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

#### Storage:

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

#### Disposal:

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

## 2.3. Other hazards

None known.

## SECTION 3: Composition/information on ingredients

This material is a mixture.

| <b>Ingredient</b>                     | <b>C.A.S. No.</b> | <b>% by Wt</b>         | <b>Common Name</b>                                                                                                                                                                                                                                                   |
|---------------------------------------|-------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Petroleum Distillates                 | 64741-84-0        | 30 - 60 Trade Secret * | Naphtha, petroleum, solvent-refined light a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 35.degree.C to 190.degree.C |
| Acetone                               | 67-64-1           | 10 - 30 Trade Secret * | 2-Propanone                                                                                                                                                                                                                                                          |
| Hexane                                | 110-54-3          | 10 - 30 Trade Secret * | Hexane                                                                                                                                                                                                                                                               |
| Methyl Ethyl Ketone                   | 78-93-3           | 7 - 13 Trade Secret *  | 2-Butanone                                                                                                                                                                                                                                                           |
| Polychloroprene                       | 9010-98-4         | 7 - 13                 | 1,3-Butadiene, 2-chloro-, homopolymer                                                                                                                                                                                                                                |
| Heptane                               | 142-82-5          | 4.4 - 11.3             | Heptane                                                                                                                                                                                                                                                              |
| Magnesium Resinate                    | 68037-42-3        | 5 - 10                 | Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, magnesium oxide complex                                                                                                                                                                                      |
| p-tert-Butylphenol-Formaldehyde Resin | 25085-50-1        | 5 - 10                 | Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol                                                                                                                                                                                                               |
| 2-Methylpentane                       | 107-83-5          | 3 - 7                  | Pentane, 2-methyl-                                                                                                                                                                                                                                                   |
| 3-Methylpentane                       | 96-14-0           | 3 - 7                  | Pentane, 3-methyl-                                                                                                                                                                                                                                                   |
| Toluene                               | 108-88-3          | 1 - 7 Trade Secret *   | No Data Available                                                                                                                                                                                                                                                    |
| Magnesium Oxide                       | 1309-48-4         | 1 - 5                  | Magnesium oxide (MgO)                                                                                                                                                                                                                                                |
| Cyclohexane                           | 110-82-7          | < 4.5                  | Cyclohexane                                                                                                                                                                                                                                                          |
| Rosin                                 | 8050-09-7         | 0.1 - 1                | Rosin                                                                                                                                                                                                                                                                |
| STYRENATED PHENOL                     | 61788-44-1        | 0.1 - 1 Trade Secret * | Phenol, styrenated                                                                                                                                                                                                                                                   |
| Zinc Oxide                            | 1314-13-2         | 0.1 - 1                | Zinc oxide (ZnO)                                                                                                                                                                                                                                                     |
| Ethylbenzene                          | 100-41-4          | < 0.3                  | Benzene, ethyl-                                                                                                                                                                                                                                                      |
| Methyl Alcohol                        | 67-56-1           | < 0.2                  | Methanol                                                                                                                                                                                                                                                             |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation:

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

#### Skin Contact:

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

#### Eye Contact:

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

#### If Swallowed:

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

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

Allergic skin reaction (redness, swelling, blistering, and itching). 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**

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

**5.2. Unsuitable extinguishing media**

None Determined

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

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

**Hazardous Decomposition or By-Products****Substance**

Aldehydes

Hydrocarbons

Carbon monoxide

Carbon dioxide

Hydrogen Chloride

**Condition**

During Combustion

During Combustion

During Combustion

During Combustion

During Combustion

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

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

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

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

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

local/regional/national/international regulations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

For industrial or professional use only. Not for consumer sale or use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. Use personal protective equipment (gloves, respirators, etc.) as required. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapor accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

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

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

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

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

| Ingredient                                            | C.A.S. No. | Agency | Limit type                                                                                   | Additional Comments            |
|-------------------------------------------------------|------------|--------|----------------------------------------------------------------------------------------------|--------------------------------|
| Ethylbenzene                                          | 100-41-4   | ACGIH  | TWA:20 ppm                                                                                   |                                |
| Branched Hexane Isomers                               | 107-83-5   | ACGIH  | TWA: 200 ppm                                                                                 |                                |
| Toluene                                               | 108-88-3   | ACGIH  | TWA:20 ppm                                                                                   |                                |
| Hexane                                                | 110-54-3   | ACGIH  | TWA:50 ppm                                                                                   | Danger of cutaneous absorption |
| Cyclohexane                                           | 110-82-7   | ACGIH  | TWA:100 ppm                                                                                  |                                |
| Magnesium Oxide                                       | 1309-48-4  | ACGIH  | TWA(inhalable fraction):10 mg/m <sup>3</sup>                                                 |                                |
| Zinc Oxide                                            | 1314-13-2  | ACGIH  | TWA(respirable fraction):2 mg/m <sup>3</sup> ;STEL(respirable fraction):10 mg/m <sup>3</sup> |                                |
| Heptane, straight and branched isomers                | 142-82-5   | ACGIH  | TWA:200 ppm;STEL:400 ppm                                                                     |                                |
| Methyl Alcohol                                        | 67-56-1    | ACGIH  | TWA:200 ppm;STEL:250 ppm                                                                     | Danger of cutaneous absorption |
| Acetone                                               | 67-64-1    | ACGIH  | TWA:250 ppm;STEL:500 ppm                                                                     |                                |
| Methyl Ethyl Ketone                                   | 78-93-3    | ACGIH  | TWA:75 ppm;STEL:150 ppm                                                                      | Danger of cutaneous absorption |
| Resin acids, as total Resin Acids, inhalable fraction | 8050-09-7  | ACGIH  | TWA(as Resin, inhalable fraction):0.001 mg/m <sup>3</sup>                                    | Dermal/Respiratory Sensitizer  |
| Branched Hexane Isomers                               | 96-14-0    | ACGIH  | TWA: 200 ppm                                                                                 |                                |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

## 8.2. Exposure controls

### 8.2.1. Engineering controls

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

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

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

Full Face Shield

Indirect Vented Goggles

#### Skin/hand protection

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

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

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

#### Respiratory protection

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

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

Half facepiece or full facepiece supplied-air respirator

Organic vapor cartridges may have short service life.

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

## SECTION 9: Physical and chemical properties

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

|                                     |                                                      |
|-------------------------------------|------------------------------------------------------|
| <b>Physical state</b>               | Liquid                                               |
| <b>Colour</b>                       | Light Yellow                                         |
| <b>Odour</b>                        | Strong Petroleum                                     |
| <b>Odour threshold</b>              | No Data Available                                    |
| <b>pH</b>                           | Not Applicable                                       |
| <b>Melting point/Freezing point</b> | Not Applicable                                       |
| <b>Boiling point</b>                | >=80 °C                                              |
| <b>Flash Point</b>                  | -21.7 °C [Test Method:Closed Cup] [Details:n-Hexane] |
| <b>Evaporation rate</b>             | 2 [Ref Std:ETHER=1]                                  |
| <b>Flammability</b>                 | Flammable Liquid: Category 2.                        |

|                                             |                                                      |
|---------------------------------------------|------------------------------------------------------|
| Flammable Limits(LEL)                       | 1 % volume                                           |
| Flammable Limits(UEL)                       | 12.8 % volume                                        |
| Vapour Pressure                             | <=185 mmHg [@ 68 °F] [Details:Acetone]               |
| Relative Vapour Density                     | >=1 [Ref Std: AIR=1]                                 |
| Density                                     | 0.815 g/ml                                           |
| Relative density                            | 0.815 [Ref Std: WATER=1]                             |
| Water solubility                            | Negligible                                           |
| Solubility- non-water                       | No Data Available                                    |
| Partition coefficient: n-octanol/ water     | No Data Available                                    |
| Autoignition temperature                    | No Data Available                                    |
| Decomposition temperature                   | No Data Available                                    |
| Kinematic Viscosity                         | 399 mm <sup>2</sup> /sec                             |
| Volatile Organic Compounds                  | No Data Available                                    |
| Percent volatile                            | No Data Available                                    |
| VOC Less H <sub>2</sub> O & Exempt Solvents | <=630 g/l [Test Method:calculated SCAQMD rule 443.1] |
| Molecular weight                            | No Data Available                                    |
| Solids Content                              | 15 - 30 % weight                                     |

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

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Sparks and/or flames

Heat

### 10.5. Incompatible materials

Strong oxidizing agents

### 10.6. Hazardous decomposition products

#### Substance

None known.

#### Condition

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

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

### 11.1. Information on Toxicological effects

## Signs and Symptoms of Exposure

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

### Inhalation:

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

### Skin Contact:

Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching. May cause additional health effects (see below).

### Eye Contact:

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

### Ingestion:

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

## Additional Health Effects:

### Single exposure may cause target organ effects:

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:

Ocular Effects: Signs/symptoms may include blurred or significantly impaired vision. Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears. Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy. Olfactory Effects: Signs/symptoms may include decreased ability to detect odours and/or complete loss of smell.

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

The Hazardous Substance Assessment for toluene published by Health Canada concludes that toluene also causes target organ toxicity through prolonged or repeated exposure to the cardiovascular system (heart), respiratory system (lung), kidney, and liver. Cardiac Effects: Signs/symptoms may include irregular heartbeat (arrhythmia), changes in heart rate, damage to heart muscle, heart attack, and may be fatal. Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish coloured skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure. Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination. Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

### Reproductive/Developmental Toxicity:

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

### Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

| <b><u>Ingredient</u></b> | <b><u>CAS No.</u></b> | <b><u>Class Description</u></b> | <b><u>Regulation</u></b>                    |
|--------------------------|-----------------------|---------------------------------|---------------------------------------------|
| Ethylbenzene             | 100-41-4              | Grp. 2B: Possible human carc.   | International Agency for Research on Cancer |

## Toxicological Data

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

## Acute Toxicity

| Name                                  | Route                      | Species               | Value                                          |
|---------------------------------------|----------------------------|-----------------------|------------------------------------------------|
| Overall product                       | Dermal                     |                       | No data available; calculated ATE >5,000 mg/kg |
| Overall product                       | Inhalation-Vapor(4 hr)     |                       | No data available; calculated ATE >50 mg/l     |
| Overall product                       | Ingestion                  |                       | No data available; calculated ATE >5,000 mg/kg |
| Petroleum Distillates                 | Dermal                     | Rat                   | LD50 > 2,800 mg/kg                             |
| Petroleum Distillates                 | Inhalation-Vapor (4 hours) | Rat                   | LC50 > 25.2 mg/l                               |
| Petroleum Distillates                 | Ingestion                  | Rat                   | LD50 > 5,840 mg/kg                             |
| Hexane                                | Dermal                     | Rabbit                | LD50 > 2,000 mg/kg                             |
| Hexane                                | Inhalation-Vapor (4 hours) | Rat                   | LC50 170 mg/l                                  |
| Hexane                                | Ingestion                  | Rat                   | LD50 > 28,700 mg/kg                            |
| Acetone                               | Dermal                     | Rabbit                | LD50 > 15,688 mg/kg                            |
| Acetone                               | Inhalation-Vapor (4 hours) | Rat                   | LC50 76 mg/l                                   |
| Acetone                               | Ingestion                  | Rat                   | LD50 5,800 mg/kg                               |
| Heptane                               | Dermal                     | similar compounds     | LD50 > 2,000 mg/kg                             |
| Heptane                               | Inhalation-Vapor (4 hours) | similar compounds     | LC50 > 33.5 mg/l                               |
| Heptane                               | Ingestion                  | similar compounds     | LD50 > 5,000 mg/kg                             |
| Methyl Ethyl Ketone                   | Dermal                     | Rabbit                | LD50 > 8,050 mg/kg                             |
| Methyl Ethyl Ketone                   | Inhalation-Vapor (4 hours) | Rat                   | LC50 34.5 mg/l                                 |
| Methyl Ethyl Ketone                   | Ingestion                  | Rat                   | LD50 2,737 mg/kg                               |
| Polychloroprene                       | Dermal                     |                       | LD50 estimated to be > 5,000 mg/kg             |
| Polychloroprene                       | Ingestion                  | Rat                   | LD50 > 20,000 mg/kg                            |
| Magnesium Resinate                    | Dermal                     |                       | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| Magnesium Resinate                    | Ingestion                  |                       | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| 2-Methylpentane                       | Dermal                     |                       | LD50 estimated to be > 5,000 mg/kg             |
| 2-Methylpentane                       | Inhalation-Vapor           |                       | LC50 estimated to be > 50 mg/l                 |
| 2-Methylpentane                       | Ingestion                  |                       | LD50 estimated to be > 5,000 mg/kg             |
| 3-Methylpentane                       | Dermal                     |                       | LD50 estimated to be > 5,000 mg/kg             |
| 3-Methylpentane                       | Inhalation-Vapor           |                       | LC50 estimated to be > 50 mg/l                 |
| 3-Methylpentane                       | Ingestion                  |                       | LD50 estimated to be > 5,000 mg/kg             |
| Toluene                               | Dermal                     | Rat                   | LD50 12,000 mg/kg                              |
| Toluene                               | Inhalation-Vapor (4 hours) | Rat                   | LC50 30 mg/l                                   |
| Toluene                               | Ingestion                  | Rat                   | LD50 5,550 mg/kg                               |
| p-tert-Butylphenol-Formaldehyde Resin | Dermal                     |                       | LD50 estimated to be > 5,000 mg/kg             |
| p-tert-Butylphenol-Formaldehyde Resin | Ingestion                  | Rat                   | LD50 5,660 mg/kg                               |
| Magnesium Oxide                       | Dermal                     | Professional judgment | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| Magnesium Oxide                       | Ingestion                  | Rat                   | LD50 3,870 mg/kg                               |
| Cyclohexane                           | Dermal                     | Rat                   | LD50 > 2,000 mg/kg                             |
| Cyclohexane                           | Inhalation-Vapor (4 hours) | Rat                   | LC50 > 32.9 mg/l                               |

**3M™ Neoprene High Performance Contact Adhesive 1357, Light Yellow**

|                   |                                |        |                                          |
|-------------------|--------------------------------|--------|------------------------------------------|
| Cyclohexane       | Ingestion                      | Rat    | LD50 6,200 mg/kg                         |
| Zinc Oxide        | Dermal                         |        | LD50 estimated to be > 5,000 mg/kg       |
| Zinc Oxide        | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 5.7 mg/l                          |
| Zinc Oxide        | Ingestion                      | Rat    | LD50 > 5,000 mg/kg                       |
| Rosin             | Dermal                         | Rabbit | LD50 > 2,500 mg/kg                       |
| Rosin             | Ingestion                      | Rat    | LD50 7,600 mg/kg                         |
| Ethylbenzene      | Dermal                         | Rabbit | LD50 15,433 mg/kg                        |
| Ethylbenzene      | Inhalation-Vapor (4 hours)     | Rat    | LC50 17.4 mg/l                           |
| Ethylbenzene      | Ingestion                      | Rat    | LD50 4,769 mg/kg                         |
| STYRENATED PHENOL | Dermal                         | Rat    | LD50 > 2,000 mg/kg                       |
| STYRENATED PHENOL | Ingestion                      | Rat    | LD50 > 2,000 mg/kg                       |
| Methyl Alcohol    | Dermal                         |        | LD50 estimated to be 1,000 - 2,000 mg/kg |
| Methyl Alcohol    | Inhalation-Vapor               |        | LC50 estimated to be 10 - 20 mg/l        |
| Methyl Alcohol    | Ingestion                      |        | LD50 estimated to be 50 - 300 mg/kg      |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name                  | Species               | Value                     |
|-----------------------|-----------------------|---------------------------|
| Petroleum Distillates | Rabbit                | Irritant                  |
| Hexane                | Human and animal      | Mild irritant             |
| Acetone               | Mouse                 | Minimal irritation        |
| Heptane               | Professional judgment | Mild irritant             |
| Methyl Ethyl Ketone   | Rabbit                | Minimal irritation        |
| Polychloroprene       | Human                 | No significant irritation |
| 2-Methylpentane       | Professional judgment | Mild irritant             |
| 3-Methylpentane       | Professional judgment | Mild irritant             |
| Toluene               | Rabbit                | Irritant                  |
| Magnesium Oxide       | Professional judgment | No significant irritation |
| Cyclohexane           | Rabbit                | Mild irritant             |
| Zinc Oxide            | Human and animal      | No significant irritation |
| Rosin                 | Rabbit                | No significant irritation |
| Ethylbenzene          | Rabbit                | Mild irritant             |
| STYRENATED PHENOL     | Rabbit                | No significant irritation |
| Methyl Alcohol        | Rabbit                | Mild irritant             |

**Serious Eye Damage/Irritation**

| Name                  | Species | Value           |
|-----------------------|---------|-----------------|
| Petroleum Distillates | Rabbit  | Mild irritant   |
| Hexane                | Rabbit  | Mild irritant   |
| Acetone               | Rabbit  | Severe irritant |
| Heptane               | similar | Mild irritant   |

|                     | compound<br>s                     |                           |
|---------------------|-----------------------------------|---------------------------|
| Methyl Ethyl Ketone | Rabbit                            | Severe irritant           |
| Polychloroprene     | Profession<br>al<br>judgeme<br>nt | No significant irritation |
| 2-Methylpentane     | Profession<br>al<br>judgeme<br>nt | Moderate irritant         |
| 3-Methylpentane     | Profession<br>al<br>judgeme<br>nt | Moderate irritant         |
| Toluene             | Rabbit                            | Moderate irritant         |
| Cyclohexane         | Rabbit                            | Mild irritant             |
| Zinc Oxide          | Rabbit                            | Mild irritant             |
| Rosin               | Rabbit                            | Mild irritant             |
| Ethylbenzene        | Rabbit                            | Moderate irritant         |
| STYRENATED PHENOL   | Rabbit                            | Mild irritant             |
| Methyl Alcohol      | Rabbit                            | Moderate irritant         |

### Skin Sensitization

| Name                                  | Species                  | Value                                                                           |
|---------------------------------------|--------------------------|---------------------------------------------------------------------------------|
| Petroleum Distillates                 | Guinea<br>pig            | Not classified                                                                  |
| Hexane                                | Human                    | Not classified                                                                  |
| Heptane                               | similar<br>compound<br>s | Not classified                                                                  |
| Toluene                               | Guinea<br>pig            | Not classified                                                                  |
| p-tert-Butylphenol-Formaldehyde Resin | Human                    | Some positive data exist, but the data are not<br>sufficient for classification |
| Zinc Oxide                            | Guinea<br>pig            | Not classified                                                                  |
| Rosin                                 | Guinea<br>pig            | Sensitizing                                                                     |
| Ethylbenzene                          | Human                    | Not classified                                                                  |
| STYRENATED PHENOL                     | Mouse                    | Sensitizing                                                                     |
| Methyl Alcohol                        | Guinea<br>pig            | Not classified                                                                  |

### Respiratory Sensitization

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

### Germ Cell Mutagenicity

| Name                | Route    | Value                                                                           |
|---------------------|----------|---------------------------------------------------------------------------------|
| Hexane              | In Vitro | Not mutagenic                                                                   |
| Hexane              | In vivo  | Not mutagenic                                                                   |
| Acetone             | In vivo  | Not mutagenic                                                                   |
| Acetone             | In Vitro | Some positive data exist, but the data are not<br>sufficient for classification |
| Heptane             | In Vitro | Not mutagenic                                                                   |
| Methyl Ethyl Ketone | In Vitro | Not mutagenic                                                                   |
| Toluene             | In Vitro | Not mutagenic                                                                   |
| Toluene             | In vivo  | Not mutagenic                                                                   |
| Magnesium Oxide     | In Vitro | Not mutagenic                                                                   |
| Cyclohexane         | In Vitro | Not mutagenic                                                                   |
| Cyclohexane         | In vivo  | Some positive data exist, but the data are not                                  |

|                |          |                                                                              |
|----------------|----------|------------------------------------------------------------------------------|
|                |          | sufficient for classification                                                |
| Zinc Oxide     | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Zinc Oxide     | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| Ethylbenzene   | In vivo  | Not mutagenic                                                                |
| Ethylbenzene   | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Methyl Alcohol | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Methyl Alcohol | In vivo  | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

| Name                | Route         | Species                 | Value                                                                        |
|---------------------|---------------|-------------------------|------------------------------------------------------------------------------|
| Hexane              | Dermal        | Mouse                   | Not carcinogenic                                                             |
| Hexane              | Inhalation    | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| Acetone             | Not Specified | Multiple animal species | Not carcinogenic                                                             |
| Methyl Ethyl Ketone | Inhalation    | Human                   | Not carcinogenic                                                             |
| Toluene             | Dermal        | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| Toluene             | Ingestion     | Rat                     | Some positive data exist, but the data are not sufficient for classification |
| Toluene             | Inhalation    | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| Magnesium Oxide     | Not Specified | Human and animal        | Some positive data exist, but the data are not sufficient for classification |
| Ethylbenzene        | Inhalation    | Multiple animal species | Carcinogenic                                                                 |
| Methyl Alcohol      | Inhalation    | Multiple animal species | Not carcinogenic                                                             |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name                  | Route      | Value                                  | Species           | Test result           | Exposure Duration    |
|-----------------------|------------|----------------------------------------|-------------------|-----------------------|----------------------|
| Petroleum Distillates | Ingestion  | Toxic to male reproduction             | similar compounds | NOAEL not available   | not available        |
| Petroleum Distillates | Inhalation | Toxic to male reproduction             | similar compounds | NOAEL not available   | not available        |
| Hexane                | Ingestion  | Not classified for development         | Mouse             | NOAEL 2,200 mg/kg/day | during organogenesis |
| Hexane                | Inhalation | Not classified for development         | Rat               | NOAEL 0.7 mg/l        | during gestation     |
| Hexane                | Ingestion  | Toxic to male reproduction             | Rat               | NOAEL 1,140 mg/kg/day | 90 days              |
| Hexane                | Inhalation | Toxic to male reproduction             | Rat               | LOAEL 3.52 mg/l       | 28 days              |
| Acetone               | Ingestion  | Not classified for male reproduction   | Rat               | NOAEL 1,700 mg/kg/day | 13 weeks             |
| Acetone               | Inhalation | Not classified for development         | Rat               | NOAEL 5.2 mg/l        | during organogenesis |
| Methyl Ethyl Ketone   | Inhalation | Not classified for development         | Rat               | LOAEL 8.8 mg/l        | during gestation     |
| Toluene               | Inhalation | Not classified for female reproduction | Human             | NOAEL Not             | occupational         |

|                |            |                                                    |                         |                       |                              |
|----------------|------------|----------------------------------------------------|-------------------------|-----------------------|------------------------------|
|                |            |                                                    |                         | available             | exposure                     |
| Toluene        | Inhalation | Not classified for male reproduction               | Rat                     | NOAEL 2.3 mg/l        | 1 generation                 |
| Toluene        | Ingestion  | Toxic to development                               | Rat                     | LOAEL 520 mg/kg/day   | during gestation             |
| Toluene        | Inhalation | Toxic to development                               | Human                   | NOAEL Not available   | poisoning and/or abuse       |
| Cyclohexane    | Inhalation | Not classified for female reproduction             | Rat                     | NOAEL 24 mg/l         | 2 generation                 |
| Cyclohexane    | Inhalation | Not classified for male reproduction               | Rat                     | NOAEL 24 mg/l         | 2 generation                 |
| Cyclohexane    | Inhalation | Not classified for development                     | Rat                     | NOAEL 6.9 mg/l        | 2 generation                 |
| Zinc Oxide     | Ingestion  | Not classified for reproduction and/or development | Multiple animal species | NOAEL 125 mg/kg/day   | premating & during gestation |
| Ethylbenzene   | Inhalation | Not classified for development                     | Rat                     | NOAEL 4.3 mg/l        | premating & during gestation |
| Methyl Alcohol | Ingestion  | Not classified for male reproduction               | Rat                     | NOAEL 1,600 mg/kg/day | 21 days                      |
| Methyl Alcohol | Ingestion  | Toxic to development                               | Mouse                   | LOAEL 4,000 mg/kg/day | during organogenesis         |
| Methyl Alcohol | Inhalation | Toxic to development                               | Mouse                   | NOAEL 1.3 mg/l        | during organogenesis         |

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

| Name                  | Route      | Target Organ(s)                   | Value                                                                        | Species                | Test result         | Exposure Duration      |
|-----------------------|------------|-----------------------------------|------------------------------------------------------------------------------|------------------------|---------------------|------------------------|
| Petroleum Distillates | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | similar compounds      | NOAEL not available | not available          |
| Petroleum Distillates | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | similar compounds      | NOAEL not available | not available          |
| Hexane                | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | Human                  | NOAEL Not available | not available          |
| Hexane                | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Rabbit                 | NOAEL Not available | 8 hours                |
| Hexane                | Inhalation | respiratory system                | Not classified                                                               | Rat                    | NOAEL 24.6 mg/l     | 8 hours                |
| Acetone               | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | Human                  | NOAEL Not available |                        |
| Acetone               | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                  | NOAEL Not available |                        |
| Acetone               | Inhalation | immune system                     | Not classified                                                               | Human                  | NOAEL 1.19 mg/l     | 6 hours                |
| Acetone               | Inhalation | liver                             | Not classified                                                               | Guinea pig             | NOAEL Not available |                        |
| Acetone               | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | Human                  | NOAEL Not available | poisoning and/or abuse |
| Heptane               | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | Human                  | NOAEL Not available |                        |
| Heptane               | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                        |
| Heptane               | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | Human                  | NOAEL Not available |                        |
| Methyl Ethyl Ketone   | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | official classifica    | NOAEL Not available |                        |

|                     |            |                                   |                                                                              |                        |                     |                        |
|---------------------|------------|-----------------------------------|------------------------------------------------------------------------------|------------------------|---------------------|------------------------|
|                     |            |                                   |                                                                              | tion                   |                     |                        |
| Methyl Ethyl Ketone | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                  | NOAEL Not available |                        |
| Methyl Ethyl Ketone | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | Professional judgement | NOAEL Not available |                        |
| Methyl Ethyl Ketone | Ingestion  | liver                             | Not classified                                                               | Rat                    | NOAEL Not available | not applicable         |
| Methyl Ethyl Ketone | Ingestion  | kidney and/or bladder             | Not classified                                                               | Rat                    | LOAEL 1,080 mg/kg   | not applicable         |
| 2-Methylpentane     | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | Professional judgement | NOAEL Not available |                        |
| 2-Methylpentane     | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification |                        | NOAEL Not available |                        |
| 2-Methylpentane     | Inhalation | cardiac sensitization             | Not classified                                                               | Dog                    | NOAEL Not available |                        |
| 2-Methylpentane     | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | Professional judgement | NOAEL Not available |                        |
| 3-Methylpentane     | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | Professional judgement | NOAEL Not available |                        |
| 3-Methylpentane     | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification |                        | NOAEL Not available |                        |
| 3-Methylpentane     | Inhalation | cardiac sensitization             | Not classified                                                               | Dog                    | NOAEL Not available |                        |
| 3-Methylpentane     | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | Professional judgement | NOAEL Not available |                        |
| Toluene             | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | Human                  | NOAEL Not available |                        |
| Toluene             | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                  | NOAEL Not available |                        |
| Toluene             | Inhalation | immune system                     | Not classified                                                               | Mouse                  | NOAEL 0.004 mg/l    | 3 hours                |
| Toluene             | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | Human                  | NOAEL Not available | poisoning and/or abuse |
| Magnesium Oxide     | Inhalation | respiratory system                | Not classified                                                               | Human                  | NOAEL Not available |                        |
| Cyclohexane         | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | Human and animal       | NOAEL Not available |                        |
| Cyclohexane         | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human and animal       | NOAEL Not available |                        |
| Cyclohexane         | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | Professional judgement | NOAEL Not available |                        |
| Ethylbenzene        | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | Human                  | NOAEL Not available |                        |
| Ethylbenzene        | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human and animal       | NOAEL Not available |                        |
| Ethylbenzene        | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | Professional judgement | NOAEL Not available |                        |

|                |            |                                   |                                                                              |       |                     |                        |
|----------------|------------|-----------------------------------|------------------------------------------------------------------------------|-------|---------------------|------------------------|
| Methyl Alcohol | Inhalation | blindness                         | Causes damage to organs                                                      | Human | NOAEL Not available | occupational exposure  |
| Methyl Alcohol | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | Human | NOAEL Not available | not available          |
| Methyl Alcohol | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Rat   | NOAEL Not available | 6 hours                |
| Methyl Alcohol | Ingestion  | blindness                         | Causes damage to organs                                                      | Human | NOAEL Not available | poisoning and/or abuse |
| Methyl Alcohol | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | Human | NOAEL Not available | poisoning and/or abuse |

**Specific Target Organ Toxicity - repeated exposure**

| Name                  | Route      | Target Organ(s)           | Value                                                                        | Species           | Test result           | Exposure Duration     |
|-----------------------|------------|---------------------------|------------------------------------------------------------------------------|-------------------|-----------------------|-----------------------|
| Petroleum Distillates | Inhalation | peripheral nervous system | May cause damage to organs though prolonged or repeated exposure             | similar compounds | NOAEL not available   | not available         |
| Hexane                | Inhalation | peripheral nervous system | Causes damage to organs through prolonged or repeated exposure               | Human             | NOAEL Not available   | occupational exposure |
| Hexane                | Inhalation | respiratory system        | Some positive data exist, but the data are not sufficient for classification | Mouse             | LOAEL 1.76 mg/l       | 13 weeks              |
| Hexane                | Inhalation | liver                     | Not classified                                                               | Rat               | NOAEL Not available   | 6 months              |
| Hexane                | Inhalation | kidney and/or bladder     | Not classified                                                               | Rat               | LOAEL 1.76 mg/l       | 6 months              |
| Hexane                | Inhalation | hematopoietic system      | Not classified                                                               | Mouse             | NOAEL 35.2 mg/l       | 13 weeks              |
| Hexane                | Inhalation | auditory system           | Not classified                                                               | Human             | NOAEL Not available   | occupational exposure |
| Hexane                | Inhalation | immune system             | Not classified                                                               | Human             | NOAEL Not available   | occupational exposure |
| Hexane                | Inhalation | eyes                      | Not classified                                                               | Human             | NOAEL Not available   | occupational exposure |
| Hexane                | Inhalation | heart                     | Not classified                                                               | Rat               | NOAEL 1.76 mg/l       | 6 months              |
| Hexane                | Inhalation | skin                      | Not classified                                                               | Rat               | NOAEL 1.76 mg/l       | 6 months              |
| Hexane                | Inhalation | endocrine system          | Not classified                                                               | Rat               | NOAEL 1.76 mg/l       | 6 months              |
| Hexane                | Ingestion  | peripheral nervous system | Some positive data exist, but the data are not sufficient for classification | Rat               | NOAEL 1,140 mg/kg/day | 90 days               |
| Hexane                | Ingestion  | endocrine system          | Not classified                                                               | Rat               | NOAEL Not available   | 13 weeks              |
| Hexane                | Ingestion  | hematopoietic system      | Not classified                                                               | Rat               | NOAEL Not available   | 13 weeks              |
| Hexane                | Ingestion  | liver                     | Not classified                                                               | Rat               | NOAEL Not available   | 13 weeks              |
| Hexane                | Ingestion  | immune system             | Not classified                                                               | Rat               | NOAEL Not available   | 13 weeks              |
| Hexane                | Ingestion  | kidney and/or bladder     | Not classified                                                               | Rat               | NOAEL Not available   | 13 weeks              |
| Acetone               | Dermal     | eyes                      | Not classified                                                               | Guinea pig        | NOAEL Not available   | 3 weeks               |
| Acetone               | Inhalation | hematopoietic system      | Not classified                                                               | Human             | NOAEL 3 mg/l          | 6 weeks               |
| Acetone               | Inhalation | immune system             | Not classified                                                               | Human             | NOAEL 1.19 mg/l       | 6 days                |
| Acetone               | Inhalation | kidney and/or bladder     | Not classified                                                               | Guinea pig        | NOAEL 119 mg/l        | not available         |
| Acetone               | Inhalation | heart                     | Not classified                                                               | Rat               | NOAEL 45 mg/l         | 8 weeks               |
| Acetone               | Inhalation | liver                     | Not classified                                                               | Rat               | NOAEL 45 mg/l         | 8 weeks               |
| Acetone               | Ingestion  | kidney and/or             | Not classified                                                               | Rat               | NOAEL 900             | 13 weeks              |

|                     |            |                                    |                |               |                              |          |
|---------------------|------------|------------------------------------|----------------|---------------|------------------------------|----------|
|                     |            | bladder                            |                |               | mg/kg/day                    |          |
| Acetone             | Ingestion  | heart                              | Not classified | Rat           | NOAEL<br>2,500<br>mg/kg/day  | 13 weeks |
| Acetone             | Ingestion  | hematopoietic<br>system            | Not classified | Rat           | NOAEL 200<br>mg/kg/day       | 13 weeks |
| Acetone             | Ingestion  | liver                              | Not classified | Mouse         | NOAEL<br>3,896<br>mg/kg/day  | 14 days  |
| Acetone             | Ingestion  | eyes                               | Not classified | Rat           | NOAEL<br>3,400<br>mg/kg/day  | 13 weeks |
| Acetone             | Ingestion  | respiratory system                 | Not classified | Rat           | NOAEL<br>2,500<br>mg/kg/day  | 13 weeks |
| Acetone             | Ingestion  | muscles                            | Not classified | Rat           | NOAEL<br>2,500 mg/kg         | 13 weeks |
| Acetone             | Ingestion  | skin                               | Not classified | Mouse         | NOAEL<br>11,298<br>mg/kg/day | 13 weeks |
| Acetone             | Ingestion  | bone, teeth, nails,<br>and/or hair | Not classified | Mouse         | NOAEL<br>11,298<br>mg/kg/day | 13 weeks |
| Heptane             | Inhalation | nervous system                     | Not classified | Rat           | NOAEL 6.15<br>mg/l           | 30 weeks |
| Heptane             | Inhalation | peripheral nervous<br>system       | Not classified | Rat           | NOAEL 12.5<br>mg/l           | 16 weeks |
| Heptane             | Inhalation | hematopoietic<br>system            | Not classified | Rat           | NOAEL 12.2<br>mg/l           | 26 weeks |
| Heptane             | Inhalation | kidney and/or<br>bladder           | Not classified | Rat           | NOAEL 12.2<br>mg/l           | 26 weeks |
| Methyl Ethyl Ketone | Dermal     | nervous system                     | Not classified | Guinea<br>pig | NOAEL Not<br>available       | 31 weeks |
| Methyl Ethyl Ketone | Inhalation | liver                              | Not classified | Rat           | NOAEL 14.7<br>mg/l           | 90 days  |
| Methyl Ethyl Ketone | Inhalation | kidney and/or<br>bladder           | Not classified | Rat           | NOAEL 14.7<br>mg/l           | 90 days  |
| Methyl Ethyl Ketone | Inhalation | heart                              | Not classified | Rat           | NOAEL 14.7<br>mg/l           | 90 days  |
| Methyl Ethyl Ketone | Inhalation | endocrine system                   | Not classified | Rat           | NOAEL 14.7<br>mg/l           | 90 days  |
| Methyl Ethyl Ketone | Inhalation | gastrointestinal tract             | Not classified | Rat           | NOAEL 14.7<br>mg/l           | 90 days  |
| Methyl Ethyl Ketone | Inhalation | bone, teeth, nails,<br>and/or hair | Not classified | Rat           | NOAEL 14.7<br>mg/l           | 90 days  |
| Methyl Ethyl Ketone | Inhalation | hematopoietic<br>system            | Not classified | Rat           | NOAEL 14.7<br>mg/l           | 90 days  |
| Methyl Ethyl Ketone | Inhalation | immune system                      | Not classified | Rat           | NOAEL 14.7<br>mg/l           | 90 days  |
| Methyl Ethyl Ketone | Inhalation | muscles                            | Not classified | Rat           | NOAEL 14.7<br>mg/l           | 90 days  |
| Methyl Ethyl Ketone | Ingestion  | liver                              | Not classified | Rat           | NOAEL Not<br>available       | 7 days   |
| Methyl Ethyl Ketone | Ingestion  | nervous system                     | Not classified | Rat           | NOAEL 173<br>mg/kg/day       | 90 days  |
| 2-Methylpentane     | Inhalation | peripheral nervous<br>system       | Not classified | Rat           | NOAEL 5.3<br>mg/l            | 14 weeks |
| 2-Methylpentane     | Ingestion  | peripheral nervous<br>system       | Not classified | Rat           | NOAEL Not<br>available       | 8 weeks  |
| 2-Methylpentane     | Ingestion  | kidney and/or<br>bladder           | Not classified | Rat           | LOAEL<br>2,000<br>mg/kg/day  | 28 days  |
| 3-Methylpentane     | Inhalation | peripheral nervous<br>system       | Not classified | Rat           | NOAEL 5.3<br>mg/l            | 14 weeks |
| 3-Methylpentane     | Ingestion  | peripheral nervous<br>system       | Not classified | Rat           | NOAEL Not<br>available       | 8 weeks  |
| 3-Methylpentane     | Ingestion  | kidney and/or                      | Not classified | Rat           | LOAEL                        | 28 days  |

|             |            |                                 |                                                                              |                         |                       |                        |
|-------------|------------|---------------------------------|------------------------------------------------------------------------------|-------------------------|-----------------------|------------------------|
|             |            | bladder                         |                                                                              |                         | 2,000 mg/kg/day       |                        |
| Toluene     | Inhalation | auditory system                 | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL Not available   | poisoning and/or abuse |
| Toluene     | Inhalation | nervous system                  | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL Not available   | poisoning and/or abuse |
| Toluene     | Inhalation | eyes                            | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL Not available   | poisoning and/or abuse |
| Toluene     | Inhalation | olfactory system                | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL Not available   | poisoning and/or abuse |
| Toluene     | Inhalation | respiratory system              | Some positive data exist, but the data are not sufficient for classification | Rat                     | LOAEL 2.3 mg/l        | 15 months              |
| Toluene     | Inhalation | heart                           | Not classified                                                               | Rat                     | NOAEL 11.3 mg/l       | 15 weeks               |
| Toluene     | Inhalation | liver                           | Not classified                                                               | Rat                     | NOAEL 11.3 mg/l       | 15 weeks               |
| Toluene     | Inhalation | kidney and/or bladder           | Not classified                                                               | Rat                     | NOAEL 11.3 mg/l       | 15 weeks               |
| Toluene     | Inhalation | endocrine system                | Not classified                                                               | Rat                     | NOAEL 1.1 mg/l        | 4 weeks                |
| Toluene     | Inhalation | immune system                   | Not classified                                                               | Mouse                   | NOAEL Not available   | 20 days                |
| Toluene     | Inhalation | bone, teeth, nails, and/or hair | Not classified                                                               | Mouse                   | NOAEL 1.1 mg/l        | 8 weeks                |
| Toluene     | Inhalation | hematopoietic system            | Not classified                                                               | Human                   | NOAEL Not available   | occupational exposure  |
| Toluene     | Inhalation | vascular system                 | Not classified                                                               | Human                   | NOAEL Not available   | occupational exposure  |
| Toluene     | Inhalation | gastrointestinal tract          | Not classified                                                               | Multiple animal species | NOAEL 11.3 mg/l       | 15 weeks               |
| Toluene     | Ingestion  | nervous system                  | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 625 mg/kg/day   | 13 weeks               |
| Toluene     | Ingestion  | heart                           | Not classified                                                               | Rat                     | NOAEL 2,500 mg/kg/day | 13 weeks               |
| Toluene     | Ingestion  | liver                           | Not classified                                                               | Multiple animal species | NOAEL 2,500 mg/kg/day | 13 weeks               |
| Toluene     | Ingestion  | kidney and/or bladder           | Not classified                                                               | Multiple animal species | NOAEL 2,500 mg/kg/day | 13 weeks               |
| Toluene     | Ingestion  | hematopoietic system            | Not classified                                                               | Mouse                   | NOAEL 600 mg/kg/day   | 14 days                |
| Toluene     | Ingestion  | endocrine system                | Not classified                                                               | Mouse                   | NOAEL 105 mg/kg/day   | 28 days                |
| Toluene     | Ingestion  | immune system                   | Not classified                                                               | Mouse                   | NOAEL 105 mg/kg/day   | 4 weeks                |
| Cyclohexane | Inhalation | liver                           | Not classified                                                               | Rat                     | NOAEL 24 mg/l         | 90 days                |
| Cyclohexane | Inhalation | auditory system                 | Not classified                                                               | Rat                     | NOAEL 1.7 mg/l        | 90 days                |
| Cyclohexane | Inhalation | kidney and/or bladder           | Not classified                                                               | Rabbit                  | NOAEL 2.7 mg/l        | 10 weeks               |
| Cyclohexane | Inhalation | hematopoietic system            | Not classified                                                               | Mouse                   | NOAEL 24 mg/l         | 14 weeks               |
| Cyclohexane | Inhalation | peripheral nervous system       | Not classified                                                               | Rat                     | NOAEL 8.6 mg/l        | 30 weeks               |
| Zinc Oxide  | Ingestion  | nervous system                  | Not classified                                                               | Rat                     | NOAEL 600 mg/kg/day   | 10 days                |
| Zinc Oxide  | Ingestion  | endocrine system                | Not classified                                                               | Other                   | NOAEL 500 mg/kg/day   | 6 months               |
| Zinc Oxide  | Ingestion  | hematopoietic system            | Not classified                                                               | Other                   | NOAEL 500 mg/kg/day   | 6 months               |
| Zinc Oxide  | Ingestion  | kidney and/or                   | Not classified                                                               | Other                   | NOAEL 500             | 6 months               |

|                |            |                                 |                                                                              |                         |                       |           |
|----------------|------------|---------------------------------|------------------------------------------------------------------------------|-------------------------|-----------------------|-----------|
|                |            | bladder                         |                                                                              |                         | mg/kg/day             |           |
| Ethylbenzene   | Inhalation | auditory system                 | May cause damage to organs though prolonged or repeated exposure             | Rat                     | LOAEL 0.9 mg/l        | 13 weeks  |
| Ethylbenzene   | Inhalation | kidney and/or bladder           | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 1.1 mg/l        | 2 years   |
| Ethylbenzene   | Inhalation | liver                           | Some positive data exist, but the data are not sufficient for classification | Mouse                   | NOAEL 1.1 mg/l        | 103 weeks |
| Ethylbenzene   | Inhalation | hematopoietic system            | Not classified                                                               | Rat                     | NOAEL 3.4 mg/l        | 28 days   |
| Ethylbenzene   | Inhalation | endocrine system                | Not classified                                                               | Mouse                   | NOAEL 3.3 mg/l        | 103 weeks |
| Ethylbenzene   | Inhalation | gastrointestinal tract          | Not classified                                                               | Rat                     | NOAEL 3.3 mg/l        | 2 years   |
| Ethylbenzene   | Inhalation | bone, teeth, nails, and/or hair | Not classified                                                               | Multiple animal species | NOAEL 4.2 mg/l        | 90 days   |
| Ethylbenzene   | Inhalation | muscles                         | Not classified                                                               | Multiple animal species | NOAEL 4.2 mg/l        | 90 days   |
| Ethylbenzene   | Inhalation | heart                           | Not classified                                                               | Multiple animal species | NOAEL 3.3 mg/l        | 2 years   |
| Ethylbenzene   | Inhalation | immune system                   | Not classified                                                               | Multiple animal species | NOAEL 3.3 mg/l        | 2 years   |
| Ethylbenzene   | Inhalation | respiratory system              | Not classified                                                               | Multiple animal species | NOAEL 3.3 mg/l        | 2 years   |
| Ethylbenzene   | Ingestion  | liver                           | Not classified                                                               | Rat                     | NOAEL 680 mg/kg/day   | 6 months  |
| Ethylbenzene   | Ingestion  | kidney and/or bladder           | Not classified                                                               | Rat                     | NOAEL 680 mg/kg/day   | 6 months  |
| Methyl Alcohol | Inhalation | liver                           | Not classified                                                               | Rat                     | NOAEL 6.55 mg/l       | 4 weeks   |
| Methyl Alcohol | Inhalation | respiratory system              | Not classified                                                               | Rat                     | NOAEL 13.1 mg/l       | 6 weeks   |
| Methyl Alcohol | Ingestion  | liver                           | Not classified                                                               | Rat                     | NOAEL 2,500 mg/kg/day | 90 days   |
| Methyl Alcohol | Ingestion  | nervous system                  | Not classified                                                               | Rat                     | NOAEL 2,500 mg/kg/day | 90 days   |

The Hazardous Substance Assessment for toluene published by Health Canada concludes that toluene also causes adverse effects to the cardiovascular system (heart), respiratory system (lung), kidney, and liver following repeated chronic inhalation exposure to humans.

#### Aspiration Hazard

| Name                  | Value             |
|-----------------------|-------------------|
| Petroleum Distillates | Aspiration hazard |
| Hexane                | Aspiration hazard |
| Heptane               | Aspiration hazard |
| 2-Methylpentane       | Aspiration hazard |
| 3-Methylpentane       | Aspiration hazard |
| Toluene               | Aspiration hazard |
| Cyclohexane           | Aspiration hazard |
| Ethylbenzene          | Aspiration hazard |

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

**SECTION 12: Ecological information**

No data available.

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

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

Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. 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 Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

**SECTION 16: Other information**

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

**Health: 2 Flammability: 3 Instability: 0 Special Hazards: None**

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

|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
| <b>Document group:</b> | 10-2790-3  | <b>Version number:</b>  | 17.04      |
| <b>Issue Date:</b>     | 2026/01/07 | <b>Supersedes Date:</b> | 2025/06/19 |

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. The manufacturer MAKES NO WARRANTIES, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO,

ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF PERFORMANCE, COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 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 product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

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