



## Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the New Zealand, Hazardous Substances (Safety Data Sheets) Notice 2017.

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Black Super Weatherstrip and Gasket Adhesive, 08008

#### Product Identification Numbers

60-4550-5560-2

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

##### Recommended use

Automotive., Adhesive

For Industrial or Professional use only

#### 1.3. Supplier's details

**Address:** 3M New Zealand Ltd, 94 Apollo Drive, Rosedale 0632, Auckland  
**Telephone:** (09) 477 4040  
**E Mail:** innovation@nz.mmm.com  
**Website:** 3m.co.nz

#### 1.4. Emergency telephone number

24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

### SECTION 2: Hazard identification

Classified as hazardous in accordance with the relevant criteria of the HSNO Act 1996, the Hazardous Substances (Classification) Notice 2017 and Hazardous Substances (Minimum Degrees of Hazard) Notice 2017. Refer to Section 14 of this Safety Data Sheet for product Dangerous Goods Classification.

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

| GHS                                       | HSNO                        |
|---|-----------------------------|
| Flammable Liquid: Category 2              | 3.1B Flammable Liquid       |
| Serious Eye Damage/Irritation: Category 2 | 6.4A Irritating to the eye  |
| Skin Corrosion/Irritation: Category 3     | 6.3B Irritating to the skin |
| Skin Sensitiser: Category 1               | 6.5B Skin sensitiser        |

|  |   |
|--|---|
| Reproductive Toxicity: Category 1B                             | 6.8A Known/presumed human reproductive/developmental toxicant |
| Carcinogenicity: Category 2                                    | 6.7B Suspected human carcinogen                               |
| Specific Target Organ Toxicity (single exposure): Category 1   | 6.9A Toxic to human target organs/systems                     |
| Specific Target Organ Toxicity (repeated exposure): Category 1 | 6.9A Toxic to human target organs/systems                     |
| Specific Target Organ Toxicity (single exposure): Category 3   | 6.9B Narcotic effects   |
| Chronic Aquatic Toxicity: Category 2                           | 9.1B Aquatic toxicity (chronic)                               |
| Acute Aquatic Toxicity: Category 2                             | 9.1D Aquatic toxicity (acute)                                 |

**2.2. Label elements**

**SIGNAL WORD**

DANGER!

**Symbols:**

Flame | Exclamation mark | Health Hazard | Environment |

**Pictograms**



**HAZARD STATEMENTS:**

|      |   |
|------|---|
| H225 | Highly flammable liquid and vapour.   |
| H319 | Causes serious eye irritation.  |
| H316 | Causes mild skin irritation.  |
| H317 | May cause an allergic skin reaction.  |
| H360 | May damage fertility or the unborn child.   |
| H351 | Suspected of causing cancer.  |
| H336 | May cause drowsiness or dizziness.  |
| H370 | Causes damage to organs:<br>sensory organs  |
| H372 | Causes damage to organs through prolonged or repeated exposure:<br>nervous system  <br>sensory organs |
| H411 | Toxic to aquatic life with long lasting effects.  |

**PRECAUTIONARY STATEMENTS**

**Prevention:**

|       |  |
|-------|--|
| P201  | Obtain special instructions before use.  |
| P202  | Do not handle until all safety precautions have been read and understood.                      |
| P210A | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P240B | Ground and bond container and receiving equipment.   |
| P242A | Use non-sparking tools.  |
| P233  | Keep container tightly closed.   |

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|       |  |
|-------|--|
| P243A | Take action to prevent static discharges.                            |
| P241  | Use explosion-proof electrical/ventilating/lighting equipment.       |
| P260  | Do not breathe dust/fume/gas/mist/vapours/spray.                     |
| P261  | Avoid breathing dust/fume/gas/mist/vapours/spray.                    |
| P271  | Use only outdoors or in a well-ventilated area.                      |
| P280A | Wear eye/face protection.  |
| P280B | Wear protective gloves and eye/face protection.                      |
| P280E | Wear protective gloves.  |
| P270  | Do not eat, drink or smoke when using this product.                  |
| P273  | Avoid release to the environment.                                    |
| P264B | Wash exposed skin thoroughly after handling.                         |
| P272A | Contaminated work clothing must not be allowed out of the workplace. |

**Response:**

|                     |  |
|---------------------|--|
| P304 + P340         | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P305 + P351 + P338  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337 + P313         | If eye irritation persists: Get medical advice/attention.  |
| P302 + P352         | IF ON SKIN: Wash with plenty of soap and water.  |
| P332 + P313         | If skin irritation occurs: Get medical advice/attention.   |
| P333 + P313         | If skin irritation or rash occurs: Get medical advice/attention.   |
| P362 + P364         | Take off contaminated clothing and wash it before reuse.   |
| P308 + P313         | IF exposed or concerned: Get medical advice/attention.   |
| P321                | Specific treatment (see Notes to Physician on this label).   |
| P312                | Call a POISON CENTRE or doctor/physician if you feel unwell.   |
| P314                | Get medical advice/attention if you feel unwell.   |
| P370 + P378G        | In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.  |
| P303 + P361 + P353A | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.                           |
| P308 + P311         | IF exposed or concerned: Call a POISON CENTER or doctor/physician.   |

**Storage:**

|             |  |
|-------------|--|
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403 + P235 | Store in a well-ventilated place. Keep cool.                     |
| P405        | Store locked up.   |

**Disposal:**

|      |  |
|------|--|
| P501 | Dispose of contents/container in accordance with applicable local/regional/national/international regulations. |
|------|--|

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

| Ingredient         | CAS Nbr      | % by Weight |
|--------------------|--------------|-------------|
| Butanone           | 78-93-3      | 10 - 30     |
| Polychloroprene    | 9010-98-4    | 10 - 30     |
| Phenolic polymer   | Trade Secret | 10 - 30     |
| n-Hexane           | 110-54-3     | 4 - 15      |
| Toluene            | 108-88-3     | 5 - 10      |
| Heptane            | 142-82-5     | 1 - 7       |
| Magnesium oxide    | 1309-48-4    | 3 - 7       |
| Methylcyclopentane | 96-37-7      | 1 - 7       |
| 2-Methylpentane    | 107-83-5     | 1 - 5       |
| 3-Methylpentane    | 96-14-0      | 1 - 5       |

|  |
|--|
| <b>3M™ Black Super Weatherstrip and Gasket Adhesive, 08008</b> |
|--|

|        |           |       |
|--------|-----------|-------|
| Xylene | 1330-20-7 | 1 - 5 |
|--------|-----------|-------|

|                                      |
|--------------------------------------|
| <b>SECTION 4: First aid measures</b> |
|--------------------------------------|

#### 4.1. Description of first aid measures

##### **Inhalation**

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

##### **Skin contact**

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

##### **Eye contact**

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

A product risk assessment is recommended to determine if eye wash facilities may be required when using this product in the workplace.

##### **If swallowed**

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

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

See Section 11.1 Information on toxicological effects

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

Not applicable

|  |
|--|
| <b>SECTION 5: Fire-fighting measures</b> |
|--|

#### 5.1. Suitable extinguishing media

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

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

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

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

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

#### 5.4. Hazchem code: -3YE

|   |
|---|
| <b>SECTION 6: Accidental release measures</b> |
|---|

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

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

#### 6.2. Environmental precautions

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Avoid release to the environment. For larger spills, cover drains and build dykes 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. An appropriate aqueous film forming foam (AFFF) is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. 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

Refer to Section 15 - Controls for more information

### 7.1. Precautions for safe handling

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. Use personal protective equipment (eg. gloves, respirators...) 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 oxidising agents.

### 7.3. Certified handler

Not required

## 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                           | CAS Nbr  | Agency          | Limit type  | Additional comments                |
|--------------------------------------|----------|-----------------|---|------------------------------------|
| 2-Methylpentane                      | 107-83-5 | ACGIH           | TWA:500 ppm;STEL:1000 ppm   |                                    |
| Hexane (isomers other than n-hexane) | 107-83-5 | New Zealand WES | TWA(8 hours): 1760 mg/m3 (500 ppm); STEL(15 minutes): 3500 mg/m3 (1000 ppm) |                                    |
| Toluene                              | 108-88-3 | ACGIH           | TWA:20 ppm  | A4: Not class. as human carcinogen |
| Toluene                              | 108-88-3 | New Zealand WES | TWA(8 hours): 188 mg/m3 (50 ppm)  | Skin                               |
| n-Hexane                             | 110-54-3 | ACGIH           | TWA:50 ppm  | Skin                               |

|                                      |           |                 |  |                                    |
|--------------------------------------|-----------|-----------------|--|------------------------------------|
| n-Hexane                             | 110-54-3  | New Zealand WES | TWA(8 hours): 72 mg/m <sup>3</sup> (20 ppm)  |                                    |
| Dust, inert or nuisance              | 1309-48-4 | New Zealand WES | TWA(as inhalable dust)(8 hours):10 mg/m <sup>3</sup> ;TWA(as respirable dust)(8 hours):3 mg/m <sup>3</sup> |                                    |
| Magnesium oxide                      | 1309-48-4 | ACGIH           | TWA(inhalable fraction):10 mg/m <sup>3</sup>   | A4: Not class. as human carcinogen |
| Magnesium oxide                      | 1309-48-4 | New Zealand WES | TWA(as fume)(8 hours):10 mg/m <sup>3</sup>   |                                    |
| Xylene                               | 1330-20-7 | ACGIH           | TWA:100 ppm;STEL:150 ppm   | A4: Not class. as human carcinogen |
| Xylene                               | 1330-20-7 | New Zealand WES | TWA(8 hours):217 mg/m <sup>3</sup> (50 ppm)  |                                    |
| Heptane                              | 142-82-5  | ACGIH           | TWA:400 ppm;STEL:500 ppm   |                                    |
| Heptane                              | 142-82-5  | New Zealand WES | TWA(8 hours):1640 mg/m <sup>3</sup> (400 ppm);STEL(15 minutes):2050 mg/m <sup>3</sup> (500 ppm)            |                                    |
| Butanone                             | 78-93-3   | ACGIH           | TWA:200 ppm;STEL:300 ppm   |                                    |
| Butanone                             | 78-93-3   | New Zealand WES | TWA(8 hours): 445 mg/m <sup>3</sup> (150 ppm); STEL(15 minutes): 890 mg/m <sup>3</sup> (300 ppm)           |                                    |
| 3-Methylpentane                      | 96-14-0   | ACGIH           | TWA:500 ppm;STEL:1000 ppm  |                                    |
| Hexane (isomers other than n-hexane) | 96-14-0   | New Zealand WES | TWA(8 hours): 1760 mg/m <sup>3</sup> (500 ppm); STEL(15 minutes): 3500 mg/m <sup>3</sup> (1000 ppm)        |                                    |

ACGIH : American Conference of Governmental Industrial Hygienists  
 AIHA : American Industrial Hygiene Association  
 CMRG : Chemical Manufacturer's Recommended Guidelines  
 New Zealand WES : New Zealand Workplace Exposure Standards.  
 TWA: Time-Weighted-Average  
 STEL: Short Term Exposure Limit  
 ppm: parts per million  
 mg/m<sup>3</sup>: milligrams per cubic metre  
 CEIL: Ceiling

## 8.2. Exposure controls

### 8.2.1. Engineering controls

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

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

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

Indirect vented goggles.

Refer AS/NZS 1336 - Recommended practices for occupational eye protection and for performance specifications AS/NZS 1337, Parts 1 - 6 - Personal eye-protection.

**Skin/hand protection**

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

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

**Respiratory protection**

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

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

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

Refer AS/NZS 1715 - Selection, use and maintenance of respiratory protective equipment and AS/NZS 1716 - Respiratory protective devices.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|  |   |
|--|---|
| <b>Physical state</b>                                    | Liquid.   |
| <b>Appearance/Odour</b>                                  | Black. Solvent odour.   |
| <b>Odour threshold</b>                                   | <i>No data available.</i>   |
| <b>pH</b>  | <i>Not applicable.</i>  |
| <b>Melting point/Freezing point</b>                      | <i>No data available.</i>   |
| <b>Boiling point/Initial boiling point/Boiling range</b> | 64.4 - 87.2 °C  |
| <b>Flash point</b>                                       | -21.1 °C [ <i>Test Method</i> : Tagliabue closed cup]             |
| <b>Evaporation rate</b>                                  | >=3.6 [ <i>Ref Std</i> : ETHER=1]                                 |
| <b>Flammability (solid, gas)</b>                         | Not applicable.   |
| <b>Flammable Limits(LEL)</b>                             | 1 % volume  |
| <b>Flammable Limits(UEL)</b>                             | 11.5 % volume   |
| <b>Vapour pressure</b>                                   | 15,998.6 Pa [@ 20 °C ]  |
| <b>Vapour density</b>                                    | 3 [ <i>Ref Std</i> : AIR=1]                                       |
| <b>Density</b>   | 0.9 g/ml  |
| <b>Relative density</b>                                  | 0.9 [ <i>Ref Std</i> : WATER=1]                                   |
| <b>Water solubility</b>                                  | Slight (less than 10%)  |
| <b>Solubility- non-water</b>                             | <i>No data available.</i>   |
| <b>Partition coefficient: n-octanol/water</b>            | <i>No data available.</i>   |
| <b>Autoignition temperature</b>                          | <i>No data available.</i>   |
| <b>Decomposition temperature</b>                         | <i>No data available.</i>   |
| <b>Viscosity</b>   | 7,500 - 9,500 mPa-s   |
| <b>Volatile organic compounds (VOC)</b>                  | 558 g/l [ <i>Test Method</i> : calculated SCAQMD rule 443.1]      |
| <b>Volatile organic compounds (VOC)</b>                  | 61.5 % weight [ <i>Test Method</i> : calculated per CARB title 2] |
| <b>Percent volatile</b>                                  | 60.7 % weight   |
| <b>VOC less H2O &amp; exempt solvents</b>                | 560 g/l [ <i>Test Method</i> : calculated SCAQMD rule 443.1]      |

**SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

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

### **10.2 Chemical stability**

Stable.

### **10.3 Possibility of hazardous reactions**

Hazardous polymerisation will not occur.

### **10.4 Conditions to avoid**

Heat.

Sparks and/or flames.

### **10.5 Incompatible materials**

Strong oxidising agents.

### **10.6 Hazardous decomposition products**

| <u>Substance</u>                | <u>Condition</u> |
|---------------------------------|------------------|
| Carbon monoxide.                | Not specified.   |
| Carbon dioxide.                 | Not specified.   |
| Toxic vapour, gas, particulate. | Not specified.   |

## **SECTION 11: Toxicological information**

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

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

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

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

#### **Inhalation**

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

#### **Skin contact**

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

#### **Eye contact**

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

#### **Ingestion**

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

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



**3M™ Black Super Weatherstrip and Gasket Adhesive, 08008****Single exposure may cause target organ effects:**

Auditory effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears. 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 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 changes in blood pressure and heart rate.

**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.

**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 |
| Butanone           | Dermal                     | Rabbit  | LD50 > 8,050 mg/kg                             |
| Butanone           | Inhalation-Vapor (4 hours) | Rat     | LC50 34.5 mg/l                                 |
| Butanone           | Ingestion                  | Rat     | LD50 2,737 mg/kg                               |
| n-Hexane           | Dermal                     | Rabbit  | LD50 > 2,000 mg/kg                             |
| n-Hexane           | Inhalation-Vapor (4 hours) | Rat     | LC50 170 mg/l                                  |
| n-Hexane           | Ingestion                  | Rat     | LD50 > 28,700 mg/kg                            |
| Phenolic polymer   | Dermal                     |         | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| Phenolic polymer   | Ingestion                  |         | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| Polychloroprene    | Dermal                     |         | LD50 estimated to be > 5,000 mg/kg             |
| Polychloroprene    | Ingestion                  | Rat     | LD50 > 20,000 mg/kg                            |
| Heptane            | Dermal                     | Rabbit  | LD50 3,000 mg/kg                               |
| Heptane            | Inhalation-Vapor (4 hours) | Rat     | LC50 103 mg/l                                  |
| Heptane            | Ingestion                  | Rat     | LD50 > 15,000 mg/kg                            |
| Methylcyclopentane | Dermal                     |         | LD50 estimated to be > 5,000 mg/kg             |
| Methylcyclopentane | Ingestion                  | Rat     | LD50 > 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                               |
| 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             |

**3M™ Black Super Weatherstrip and Gasket Adhesive, 08008**

|                 |                            |                        |  |
|-----------------|----------------------------|------------------------|--|
| 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       |
| Magnesium oxide | Dermal                     | Professional judgement | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Magnesium oxide | Ingestion                  | Rat                    | LD50 3,870 mg/kg                         |
| Xylene          | Dermal                     | Rabbit                 | LD50 > 4,200 mg/kg                       |
| Xylene          | Inhalation-Vapor (4 hours) | Rat                    | LC50 29 mg/l                             |
| Xylene          | Ingestion                  | Rat                    | LD50 3,523 mg/kg                         |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name               | Species                | Value                     |
|--------------------|------------------------|---------------------------|
| Butanone           | Rabbit                 | Minimal irritation        |
| n-Hexane           | Human and animal       | Mild irritant             |
| Polychloroprene    | Human                  | No significant irritation |
| Heptane            | Human                  | Mild irritant             |
| Methylcyclopentane | similar compounds      | Minimal irritation        |
| Toluene            | Rabbit                 | Irritant                  |
| 2-Methylpentane    | Professional judgement | Mild irritant             |
| 3-Methylpentane    | Professional judgement | Mild irritant             |
| Magnesium oxide    | Professional judgement | No significant irritation |
| Xylene             | Rabbit                 | Mild irritant             |

**Serious Eye Damage/Irritation**

| Name               | Species                | Value                     |
|--------------------|------------------------|---------------------------|
| Butanone           | Rabbit                 | Severe irritant           |
| n-Hexane           | Rabbit                 | Mild irritant             |
| Polychloroprene    | Professional judgement | No significant irritation |
| Heptane            | Professional judgement | Moderate irritant         |
| Methylcyclopentane | similar compounds      | Mild irritant             |
| Toluene            | Rabbit                 | Moderate irritant         |
| 2-Methylpentane    | Professional judgement | Moderate irritant         |
| 3-Methylpentane    | Professional judgement | Moderate irritant         |

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|        |                      |               |
|--------|----------------------|---------------|
|        | nal<br>judgemen<br>t |               |
| Xylene | Rabbit               | Mild irritant |

**Skin Sensitisation**

| Name     | Species       | Value          |
|----------|---------------|----------------|
| n-Hexane | Human         | Not classified |
| Toluene  | Guinea<br>pig | Not classified |

**Respiratory Sensitisation**

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

**Germ Cell Mutagenicity**

| Name            | Route    | Value         |
|-----------------|----------|---------------|
| Butanone        | In Vitro | Not mutagenic |
| n-Hexane        | In Vitro | Not mutagenic |
| n-Hexane        | In vivo  | Not mutagenic |
| Heptane         | In Vitro | Not mutagenic |
| Toluene         | In Vitro | Not mutagenic |
| Toluene         | In vivo  | Not mutagenic |
| Magnesium oxide | In Vitro | Not mutagenic |
| Xylene          | In Vitro | Not mutagenic |
| Xylene          | In vivo  | Not mutagenic |

**Carcinogenicity**

| Name            | Route          | Species                 | Value  |
|-----------------|----------------|-------------------------|--|
| Butanone        | Inhalation     | Human                   | Not carcinogenic   |
| n-Hexane        | Dermal         | Mouse                   | Not carcinogenic   |
| n-Hexane        | Inhalation     | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| 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 |
| Xylene          | Dermal         | Rat                     | Not carcinogenic   |
| Xylene          | Ingestion      | Multiple animal species | Not carcinogenic   |
| Xylene          | Inhalation     | Human                   | Some positive data exist, but the data are not sufficient for classification |

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

| Name     | Route      | Value                          | Species | Test result           | Exposure Duration    |
|----------|------------|--------------------------------|---------|-----------------------|----------------------|
| Butanone | Inhalation | Not classified for development | Rat     | LOAEL 8.8 mg/l        | during gestation     |
| n-Hexane | Ingestion  | Not classified for development | Mouse   | NOAEL 2,200 mg/kg/day | during organogenesis |
| n-Hexane | Inhalation | Not classified for development | Rat     | NOAEL 0.7 mg/l        | during gestation     |
| n-Hexane | Ingestion  | Toxic to male reproduction     | Rat     | NOAEL                 | 90 days              |

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|          |            |  |                         |                     |                        |
|----------|------------|--|-------------------------|---------------------|------------------------|
|          |            |  |                         | 1,140 mg/kg/day     |                        |
| n-Hexane | Inhalation | Toxic to male reproduction             | Rat                     | LOAEL 3.52 mg/l     | 28 days                |
| Toluene  | Inhalation | Not classified for female reproduction | Human                   | NOAEL Not available | occupational 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 |
| Xylene   | Inhalation | Not classified for female reproduction | Human                   | NOAEL Not available | occupational exposure  |
| Xylene   | Ingestion  | Not classified for development         | Mouse                   | NOAEL Not available | during organogenesis   |
| Xylene   | Inhalation | Not classified for development         | Multiple animal species | NOAEL Not available | during gestation       |

**Lactation**

| Name   | Route     | Species | Value  |
|--------|-----------|---------|--|
| Xylene | Ingestion | Mouse   | Not classified for effects on or via lactation |

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

| Name               | Route      | Target Organ(s)                   | Value  | Species                 | Test result         | Exposure Duration |
|--------------------|------------|-----------------------------------|--|-------------------------|---------------------|-------------------|
| Butanone           | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | official classification | NOAEL Not available |                   |
| Butanone           | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                   | NOAEL Not available |                   |
| Butanone           | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Professional judgement  | NOAEL Not available |                   |
| Butanone           | Ingestion  | liver                             | Not classified   | Rat                     | NOAEL Not available | not applicable    |
| Butanone           | Ingestion  | kidney and/or bladder             | Not classified   | Rat                     | LOAEL 1,080 mg/kg   | not applicable    |
| n-Hexane           | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human                   | NOAEL Not available | not available     |
| n-Hexane           | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Rabbit                  | NOAEL Not available | 8 hours           |
| n-Hexane           | Inhalation | respiratory system                | Not classified   | Rat                     | NOAEL 24.6 mg/l     | 8 hours           |
| 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 | Human                   | NOAEL Not available |                   |
| Heptane            | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Human                   | NOAEL Not available |                   |
| Methylcyclopentane | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | similar compounds       | NOAEL Not available |                   |
| Methylcyclopentane | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Professional judgement  | NOAEL Not available |                   |
| Toluene            | Inhalation | central nervous                   | May cause drowsiness or  | Human                   | NOAEL Not           |                   |

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|                 |            |                                   |  |                         |                     |                        |
|-----------------|------------|-----------------------------------|--|-------------------------|---------------------|------------------------|
|                 |            | system depression                 | dizziness  |                         | 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 |
| 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 |                        |
| Magnesium oxide | Inhalation | respiratory system                | Not classified   | Human                   | NOAEL Not available |                        |
| Xylene          | Inhalation | auditory system                   | Causes damage to organs  | Rat                     | LOAEL 6.3 mg/l      | 8 hours                |
| Xylene          | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human                   | NOAEL Not available |                        |
| Xylene          | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                   | NOAEL Not available |                        |
| Xylene          | Inhalation | eyes                              | Not classified   | Rat                     | NOAEL 3.5 mg/l      | not available          |
| Xylene          | Inhalation | liver                             | Not classified   | Multiple animal species | NOAEL Not available |                        |
| Xylene          | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Multiple animal species | NOAEL Not available |                        |
| Xylene          | Ingestion  | eyes                              | Not classified   | Rat                     | NOAEL 250 mg/kg     | not applicable         |

**Specific Target Organ Toxicity - repeated exposure**

| Name     | Route      | Target Organ(s)   | Value          | Species    | Test result         | Exposure Duration |
|----------|------------|---|----------------|------------|---------------------|-------------------|
| Butanone | Dermal     | nervous system  | Not classified | Guinea pig | NOAEL Not available | 31 weeks          |
| Butanone | Inhalation | liver   kidney and/or bladder   heart   endocrine system   gastrointestinal tract   bone, teeth, nails, and/or hair   hematopoietic system   immune | Not classified | Rat        | NOAEL 14.7 mg/l     | 90 days           |

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|          |            |   |  |                         |                       |                        |
|----------|------------|---|--|-------------------------|-----------------------|------------------------|
|          |            | system   muscles  |  |                         |                       |                        |
| Butanone | Ingestion  | liver   | Not classified   | Rat                     | NOAEL Not available   | 7 days                 |
| Butanone | Ingestion  | nervous system  | Not classified   | Rat                     | NOAEL 173 mg/kg/day   | 90 days                |
| n-Hexane | Inhalation | peripheral nervous system   | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL Not available   | occupational exposure  |
| n-Hexane | Inhalation | respiratory system  | Some positive data exist, but the data are not sufficient for classification | Mouse                   | LOAEL 1.76 mg/l       | 13 weeks               |
| n-Hexane | Inhalation | liver   | Not classified   | Rat                     | NOAEL Not available   | 6 months               |
| n-Hexane | Inhalation | kidney and/or bladder   | Not classified   | Rat                     | LOAEL 1.76 mg/l       | 6 months               |
| n-Hexane | Inhalation | hematopoietic system  | Not classified   | Mouse                   | NOAEL 35.2 mg/l       | 13 weeks               |
| n-Hexane | Inhalation | auditory system   immune system   eyes  | Not classified   | Human                   | NOAEL Not available   | occupational exposure  |
| n-Hexane | Inhalation | heart   skin   endocrine system   | Not classified   | Rat                     | NOAEL 1.76 mg/l       | 6 months               |
| n-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                |
| n-Hexane | Ingestion  | endocrine system   hematopoietic system   liver   immune system   kidney and/or bladder | Not classified   | Rat                     | NOAEL Not available   | 13 weeks               |
| Heptane  | Inhalation | liver   nervous system   kidney and/or bladder  | Not classified   | Rat                     | NOAEL 12 mg/l         | 26 weeks               |
| Toluene  | Inhalation | auditory system   nervous system   eyes   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   liver   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   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   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             | 4 weeks                |

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|                 |            |  |  |                         | mg/kg/day             |           |
|-----------------|------------|--|--|-------------------------|-----------------------|-----------|
| 2-Methylpentane | Inhalation | peripheral nervous system  | Not classified   | Rat                     | NOAEL 5.3 mg/l        | 14 weeks  |
| 2-Methylpentane | Ingestion  | peripheral nervous system  | Not classified   | Rat                     | NOAEL Not available   | 8 weeks   |
| 2-Methylpentane | Ingestion  | kidney and/or bladder  | Not classified   | Rat                     | LOAEL 2,000 mg/kg     | 28 days   |
| 3-Methylpentane | Inhalation | peripheral nervous system  | Not classified   | Rat                     | NOAEL 5.3 mg/l        | 14 weeks  |
| 3-Methylpentane | Ingestion  | peripheral nervous system  | Not classified   | Rat                     | NOAEL Not available   | 8 weeks   |
| 3-Methylpentane | Ingestion  | kidney and/or bladder  | Not classified   | Rat                     | LOAEL 2,000 mg/kg     | 28 days   |
| Xylene          | Inhalation | nervous system   | Causes damage to organs through prolonged or repeated exposure   | Rat                     | LOAEL 0.4 mg/l        | 4 weeks   |
| Xylene          | Inhalation | auditory system  | May cause damage to organs though prolonged or repeated exposure | Rat                     | LOAEL 7.8 mg/l        | 5 days    |
| Xylene          | Inhalation | liver  | Not classified   | Multiple animal species | NOAEL Not available   |           |
| Xylene          | Inhalation | heart   endocrine system   gastrointestinal tract   hematopoietic system   muscles   kidney and/or bladder   respiratory system                | Not classified   | Multiple animal species | NOAEL 3.5 mg/l        | 13 weeks  |
| Xylene          | Ingestion  | auditory system  | Not classified   | Rat                     | NOAEL 900 mg/kg/day   | 2 weeks   |
| Xylene          | Ingestion  | kidney and/or bladder  | Not classified   | Rat                     | NOAEL 1,500 mg/kg/day | 90 days   |
| Xylene          | Ingestion  | liver  | Not classified   | Multiple animal species | NOAEL Not available   |           |
| Xylene          | Ingestion  | heart   skin   endocrine system   bone, teeth, nails, and/or hair   hematopoietic system   immune system   nervous system   respiratory system | Not classified   | Mouse                   | NOAEL 1,000 mg/kg/day | 103 weeks |

**Aspiration Hazard**

| Name               | Value             |
|--------------------|-------------------|
| n-Hexane           | Aspiration hazard |
| Heptane            | Aspiration hazard |
| Methylcyclopentane | Aspiration hazard |
| Toluene            | Aspiration hazard |
| 2-Methylpentane    | Aspiration hazard |
| 3-Methylpentane    | Aspiration hazard |
| Xylene             | 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**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be

reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

### 12.1. Toxicity

#### Ecotoxic to the aquatic environment.

Acute Aquatic Toxicity: Category 2 (HSNO 9.1D Aquatic toxicity)

Chronic Aquatic Toxicity: Category 2 (HSNO 9.1B Aquatic toxicity)

No product test data available.

| Material           | CAS Number   | Organism       | Type  | Exposure | Test endpoint            | Test result |
|--------------------|--------------|----------------|---|----------|--------------------------|-------------|
| Butanone           | 78-93-3      | Water flea     | Experimental  | 48 hours | EC50                     | 308 mg/l    |
| Butanone           | 78-93-3      | Green algae    | Experimental  | 96 hours | EC50                     | 2,029 mg/l  |
| Butanone           | 78-93-3      | Fathead minnow | Experimental  | 96 hours | LC50                     | 2,993 mg/l  |
| Butanone           | 78-93-3      | Green Algae    | Experimental  | 96 hours | Effect Concentration 10% | 1,289 mg/l  |
| Butanone           | 78-93-3      | Water flea     | Experimental  | 21 days  | NOEC                     | 100 mg/l    |
| Phenolic polymer   | Trade Secret |                | Data not available or insufficient for classification |          |                          |             |
| Polychloroprene    | 9010-98-4    |                | Data not available or insufficient for classification |          |                          |             |
| n-Hexane           | 110-54-3     | Fathead minnow | Experimental  | 96 hours | LC50                     | 2.5 mg/l    |
| n-Hexane           | 110-54-3     | Water flea     | Experimental  | 48 hours | LC50                     | 3.9 mg/l    |
| Toluene            | 108-88-3     | Green Algae    | Experimental  | 72 hours | EC50                     | 12.5 mg/l   |
| Toluene            | 108-88-3     | Coho Salmon    | Experimental  | 96 hours | LC50                     | 5.5 mg/l    |
| Toluene            | 108-88-3     | Water flea     | Experimental  | 48 hours | EC50                     | 3.78 mg/l   |
| Toluene            | 108-88-3     | Fish other     | Experimental  | 96 hours | LC50                     | 6.41 mg/l   |
| Toluene            | 108-88-3     | Coho salmon    | Experimental  | 40 days  | NOEC                     | 1.39 mg/l   |
| Toluene            | 108-88-3     | Water flea     | Experimental  | 7 days   | NOEC                     | 0.74 mg/l   |
| Heptane            | 142-82-5     | Water flea     | Experimental  | 48 hours | EC50                     | 1.5 mg/l    |
| Heptane            | 142-82-5     | Water flea     | Estimated   | 21 days  | NOEC                     | 0.17 mg/l   |
| Magnesium oxide    | 1309-48-4    |                | Data not available or insufficient for classification |          |                          |             |
| Methylcyclopentane | 96-37-7      |                | Data not available or insufficient for classification |          |                          |             |
| 2-Methylpentane    | 107-83-5     |                | Data not available or insufficient for classification |          |                          |             |
| 3-Methylpentane    | 96-14-0      |                | Data not available or insufficient for classification |          |                          |             |



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|        |           |               |              |          |                                      |           |
|--------|-----------|---------------|--------------|----------|--------------------------------------|-----------|
| Xylene | 1330-20-7 | Rainbow trout | Estimated    | 96 hours | LC50                                 | 2.6 mg/l  |
| Xylene | 1330-20-7 | Green Algae   | Estimated    | 73 hours | EC50                                 | 4.36 mg/l |
| Xylene | 1330-20-7 | Water flea    | Estimated    | 48 hours | EC50                                 | 3.82 mg/l |
| Xylene | 1330-20-7 | Green Algae   | Estimated    | 73 hours | Effect Conc.<br>10% - Growth<br>Rate | 1.9 mg/l  |
| Xylene | 1330-20-7 | Water flea    | Estimated    | 7 days   | NOEC                                 | 0.96 mg/l |
| Xylene | 1330-20-7 | Rainbow trout | Experimental | 56 days  | NOEC                                 | >1.3 mg/l |

**12.2. Persistence and degradability**

| Material               | CAS Number   | Test type                            | Duration | Study Type                        | Test result          | Protocol                                  |
|------------------------|--------------|--------------------------------------|----------|-----------------------------------|----------------------|---|
| Butanone               | 78-93-3      | Experimental<br>Biodegradation       | 28 days  | BOD                               | 98 %<br>BOD/ThBOD    | OECD 301D - Closed<br>bottle test         |
| Phenolic<br>polymer    | Trade Secret | Data not<br>availbl-<br>insufficient |          |                                   | N/A                  |   |
| Polychloropren<br>e    | 9010-98-4    | Data not<br>availbl-<br>insufficient |          |                                   | N/A                  |   |
| n-Hexane               | 110-54-3     | Experimental<br>Photolysis           |          | Photolytic half-<br>life (in air) | 5.4 days (t 1/2)     | Other methods                             |
| n-Hexane               | 110-54-3     | Experimental<br>Bioconcentrati<br>on | 28 days  | BOD                               | 100 % weight         | OECD 301C - MITI<br>test (I)              |
| Toluene                | 108-88-3     | Experimental<br>Photolysis           |          | Photolytic half-<br>life (in air) | 5.2 days (t 1/2)     | Other methods                             |
| Toluene                | 108-88-3     | Experimental<br>Biodegradation       | 20 days  | BOD                               | 80 % weight          |   |
| Heptane                | 142-82-5     | Experimental<br>Photolysis           |          | Photolytic half-<br>life (in air) | 4.24 days (t<br>1/2) | Other methods                             |
| Heptane                | 142-82-5     | Experimental<br>Biodegradation       | 28 days  | BOD                               | 101 %<br>BOD/ThBOD   | OECD 301C - MITI<br>test (I)              |
| Magnesium<br>oxide     | 1309-48-4    | Data not<br>availbl-<br>insufficient |          |                                   | N/A                  |   |
| Methylcyclope<br>ntane | 96-37-7      | Estimated<br>Photolysis              |          | Photolytic half-<br>life (in air) | 5.33 days (t<br>1/2) | Other methods                             |
| 2-<br>Methylpentane    | 107-83-5     | Experimental<br>Photolysis           |          | Photolytic half-<br>life (in air) | 5.4 days (t 1/2)     | Other methods                             |
| 2-<br>Methylpentane    | 107-83-5     | Experimental<br>Biodegradation       | 28 days  | BOD                               | 93 %<br>BOD/ThBOD    | OECD 301C - MITI<br>test (I)              |
| 3-<br>Methylpentane    | 96-14-0      | Experimental<br>Photolysis           |          | Photolytic half-<br>life (in air) | 5.3 days (t 1/2)     | Other methods                             |
| 3-<br>Methylpentane    | 96-14-0      | Estimated<br>Biodegradation          | 28 days  | BOD                               | 93 %<br>BOD/ThBOD    | OECD 301C - MITI<br>test (I)              |
| Xylene                 | 1330-20-7    | Experimental<br>Biodegradation       | 28 days  | BOD                               | 90-98 %<br>BOD/ThBOD | OECD 301F -<br>Manometric<br>respirometry |

**12.3 : Bioaccumulative potential**

| Material | CAS Number | Test type    | Duration | Study Type | Test result | Protocol      |
|----------|------------|--------------|----------|------------|-------------|---------------|
| Butanone | 78-93-3    | Experimental |          | Log Kow    | 0.29        | Other methods |

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|                    |              |   |         |                        |      |                                    |
|--------------------|--------------|---|---------|------------------------|------|------------------------------------|
|                    |              | Bioconcentration                                      |         |                        |      |                                    |
| Phenolic polymer   | Trade Secret | Data not available or insufficient for classification | N/A     | N/A                    | N/A  | N/A                                |
| Polychloroprene    | 9010-98-4    | Data not available or insufficient for classification | N/A     | N/A                    | N/A  | N/A                                |
| n-Hexane           | 110-54-3     | Estimated Bioconcentration                            |         | Bioaccumulation factor | 50   | Estimated: Bioconcentration factor |
| Toluene            | 108-88-3     | Experimental Bioconcentration                         |         | Log Kow                | 2.73 | Other methods                      |
| Heptane            | 142-82-5     | Estimated Bioconcentration                            |         | Bioaccumulation factor | 105  | Estimated: Bioconcentration factor |
| Magnesium oxide    | 1309-48-4    | Data not available or insufficient for classification | N/A     | N/A                    | N/A  | N/A                                |
| Methylcyclopentane | 96-37-7      | Estimated Bioconcentration                            |         | Bioaccumulation factor | 130  | Estimated: Bioconcentration factor |
| 2-Methylpentane    | 107-83-5     | Estimated Bioconcentration                            |         | Bioaccumulation factor | 63   | Other methods                      |
| 3-Methylpentane    | 96-14-0      | Estimated Bioconcentration                            |         | Bioaccumulation factor | 150  | Estimated: Bioconcentration factor |
| Xylene             | 1330-20-7    | Experimental BCF - Rainbow Tr                         | 56 days | Bioaccumulation factor | 25.9 | Other methods                      |

**12.4. Mobility in soil**

Please contact manufacturer for more details

**12.5 Other adverse effects**

No information available.

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

In accordance with the Hazardous Substances (Disposal) Notice 2017 and the relevant criteria of the HSNO Act 1996.

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

Packaging (that may or may not contain any residual substance) may be lawfully disposed of by householders or other consumers through public or commercial waste collection services.

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## **SECTION 14: Transport Information**

### **New Zealand Land Transport Rule: Dangerous Goods - Road/Rail Transport**

**UN No.:** UN1133

**Proper Shipping Name:** Adhesives

**Class/Division:** 3

**Sub Risk:** Not applicable.

**Packing Group:** II

**Special Instructions:** Limited quantity may apply

**Hazchem Code:** -3YE

**IERG:** 14

### **International Air Transport Association (IATA) - Air Transport**

**UN No.:** UN1133

**Proper Shipping Name:** Adhesives

**Class/Division:** 3

**Sub Risk:** Not applicable.

**Packing Group:** II

### **International Maritime Dangerous Goods Code (IMDG) - Marine Transport**

**UN No.:** UN1133

**Proper Shipping Name:** Adhesives

**Class/Division:** 3

**Sub Risk:** Not applicable.

**Packing Group:** II

**Marine Pollutant:** Not applicable.

**Special Instructions:** Limited quantity may apply

## **SECTION 15: Regulatory information**

|                            |  |
|----------------------------|--|
| HSNO Approval number       | HSR002669  |
| Group standard name        | Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017 |
| HSNO Hazard classification | Refer to Section 2: Hazard identification                                    |

### **NZ Inventory of Chemicals (NZIoC) Status**

All applicable chemical ingredients in this material are in compliance with NZIoC listing requirements.

### **Controls in accordance with the Health and Safety at Work (Hazardous Substances) Regulations 2017**

|                                 |   |
|---------------------------------|---|
| Certified handler               | Not required  |
| Location Compliance Certificate | 100 L (closed containers greater than 5 L) 250 L (closed containers up to and including 5 L) 50 L (open containers) |
| Hazardous atmosphere zone       | 100 L (closed containers) 25 L (decanting) 5 L (open occasionally) 1 L (open containers in continuous use)          |
| Fire extinguishers              | Two required for 250 L  |
| Emergency response plan         | 100 L (for a HSNO 9.1A substance) or 1,000 L (for all other substances)   |
| Secondary containment           | 100 L (for a HSNO 9.1A substance) or 1,000 L (for all other substances)   |
| Tracking                        | Not required  |
| Warning signage                 | 100 L (for a HSNO 9.1A substance), or 250 L (for all other substances)  |

## **SECTION 16: Other information**

**Revision information:**

Complete document review.

|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
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**Key to abbreviations and acronyms**

**GHS** means the Globally Harmonised System of Classification and Labelling of Chemicals, 5th revised edition 2013

**HSNO** means Hazardous Substances and New Organisms Act 1996

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