



## Safety Data Sheet

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|------------------------|------------|-------------------------|------------|
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This Safety Data Sheet has been prepared in accordance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (Safe Work Australia, December 2011)

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002

#### Product Identification Numbers

60-4550-5559-4

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

##### Recommended use

ADHESIVE, Adhesive for Gaskets, Rubber Weatherstripping

For Industrial or Professional use only.

#### 1.3. Supplier's details

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| <b>Address:</b>   | 3M Australia - Building A, 1 Rivett Road, North Ryde NSW 2113 |
| <b>Telephone:</b> | 136 136                                                       |
| <b>E Mail:</b>    | productinfo.au@mmm.com                                        |
| <b>Website:</b>   | www.3m.com.au                                                 |

#### 1.4. Emergency telephone number

EMERGENCY: 1800 097 146 (Australia only)

### SECTION 2: Hazard identification

This product is classified as a hazardous chemical according to the Model Work Health and Safety Regulations, 2011.

Refer to Section 14 of this Safety Data Sheets for product Dangerous Goods Classification.

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

Flammable Liquid: Category 2.

Serious Eye Damage/Irritation: Category 2.

Skin Corrosion/Irritation: Category 2.

Reproductive Toxicity: Category 1B.

Specific Target Organ Toxicity (single exposure): Category 3.

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

## 2.2. Label elements

The label elements below were prepared in accordance with the Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, December 2011). This information may be different from the actual product label.

### Signal word

DANGER!

### Symbols

Flame | Exclamation mark | Health Hazard |

### Pictograms



### Hazard statements

|      |                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------|
| H225 | Highly flammable liquid and vapour.                                                                      |
| H319 | Causes serious eye irritation.                                                                           |
| H315 | Causes skin irritation.                                                                                  |
| H336 | May cause drowsiness or dizziness.                                                                       |
| H360 | May damage fertility or the unborn child.                                                                |
| H372 | Causes damage to organs through prolonged or repeated exposure:<br>nervous system                        |
| H373 | May cause damage to organs through prolonged or repeated exposure:<br>nervous system  <br>sensory organs |

### Precautionary statements

#### General:

|      |                                                                       |
|------|-----------------------------------------------------------------------|
| P102 | Keep out of reach of children.                                        |
| P103 | Read label before use.                                                |
| P101 | If medical advice is needed, have product container or label at hand. |

#### Prevention:

|       |                                                                           |
|-------|---------------------------------------------------------------------------|
| P201  | Obtain special instructions before use.                                   |
| P202  | Do not handle until all safety precautions have been read and understood. |
| P210  | Keep away from heat/sparks/open flames/hot surfaces. - No smoking.        |
| P240  | Ground/bond container and receiving equipment.                            |
| P242  | Use only non-sparking tools.                                              |
| P243  | Take precautionary measures against static discharge.                     |
| P233  | Keep container tightly closed.                                            |
| 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.                           |
| P280B | Wear protective gloves and eye/face protection.                           |
| P281  | Use personal protective equipment as required.                            |
| P270  | Do not eat, drink or smoke when using this product.                       |
| P264  | Wash thoroughly after handling.                                           |

## 3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002

### Response:

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P304 + P340        | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                       |
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.                              |
| 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.                                                                         |
| P362 + P364        | Take off contaminated clothing and wash it before reuse.                                                                         |
| P308 + P313        | IF exposed or concerned: Get medical advice/attention.                                                                           |
| P312               | Call a POISON CENTRE or doctor/physician 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.  |

### 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. |
|------|----------------------------------------------------------------------------------------------------------------|

### 2.3. Other assigned/identified product hazards

None known.

### 2.4. Other hazards which do not result in classification

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

## SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient         | CAS Nbr      | % by Weight |
|--------------------|--------------|-------------|
| Butanone           | 78-93-3      | 10 - 30     |
| Polychloroprene    | 9010-98-4    | 10 - 30     |
| Phenolic Complex   | Trade Secret | 10 - 30     |
| Hexane             | 110-54-3     | 5 - 15      |
| Toluene            | 108-88-3     | 5 - 10      |
| 2-Methylpentane    | 107-83-5     | 3 - 7       |
| 3-Methylpentane    | 96-14-0      | 3 - 7       |
| Heptane            | 142-82-5     | 1 - 7       |
| Methylcyclopentane | 96-37-7      | 1 - 7       |
| Magnesium oxide    | 1309-48-4    | 1 - 5       |
| Ethylbenzene       | 100-41-4     | < 0.2       |

## 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**

See Section 11.1. Information on toxicological effects.

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

Not applicable

**SECTION 5: Fire-fighting measures**

**5.1. Suitable extinguishing media**

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

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

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

**Hazardous Decomposition or By-Products**

**Substance**

Carbon monoxide.

Carbon dioxide.

Toxic vapour, gas, particulate.

**Condition**

During combustion.

During combustion.

During combustion.

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

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

**Hazchem Code:** •3YE

**SECTION 6: Accidental release measures**

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

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

**6.2. Environmental precautions**

Avoid release to the environment.

**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.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. 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 vapour accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

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

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Protect from sunlight. Store away from heat. Store away from acids. Store away from oxidising agents.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

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

| Ingredient                           | CAS Nbr   | Agency         | Limit type                                                                                          | Additional comments              |
|--------------------------------------|-----------|----------------|-----------------------------------------------------------------------------------------------------|----------------------------------|
| Ethylbenzene                         | 100-41-4  | Australia OELs | TWA(8 hours):434 mg/m <sup>3</sup> (100 ppm);STEL(15 minutes):543 mg/m <sup>3</sup> (125 ppm)       |                                  |
| Ethylbenzene                         | 100-41-4  | ACGIH          | TWA:20 ppm                                                                                          | A3: Confirmed animal carcinogen. |
| 2. Methylpentane                     | 107-83-5  | ACGIH          | TWA:500 ppm;STEL:1000 ppm                                                                           |                                  |
| Hexane (isomers other than n-hexane) | 107-83-5  | Australia OELs | TWA(8 hours): 1760 mg/m <sup>3</sup> (500 ppm); STEL(15 minutes): 3500 mg/m <sup>3</sup> (1000 ppm) |                                  |
| Toluene                              | 108-88-3  | Australia OELs | TWA(8 hours):191 mg/m <sup>3</sup> (50 ppm);STEL(15 minutes):574 mg/m <sup>3</sup> (150 ppm)        | SKIN                             |
| Toluene                              | 108-88-3  | ACGIH          | TWA:20 ppm                                                                                          | A4: Not class. as human carcin   |
| Hexane                               | 110-54-3  | ACGIH          | TWA:50 ppm                                                                                          | SKIN                             |
| Hexane                               | 110-54-3  | Australia OELs | TWA(8 hours): 72 mg/m <sup>3</sup> (20 ppm)                                                         |                                  |
| Magnesium oxide                      | 1309-48-4 | Australia OELs | TWA(as fume)(8 hours):10 mg/m <sup>3</sup>                                                          |                                  |
| Magnesium oxide                      | 1309-48-4 | ACGIH          | TWA(inhalable fraction):10                                                                          | A4: Not class. as human          |

**3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002**

|                                      |          |                | mg/m3                                                                       | carcin |
|--------------------------------------|----------|----------------|-----------------------------------------------------------------------------|--------|
| Heptane                              | 142-82-5 | Australia OELs | TWA(8 hours):1640 mg/m3(400 ppm);STEL(15 minutes):2050 mg/m3(500 ppm)       |        |
| Heptane                              | 142-82-5 | ACGIH          | TWA:400 ppm;STEL:500 ppm                                                    |        |
| Butanone                             | 78-93-3  | Australia OELs | TWA(8 hours): 445 mg/m3 (150 ppm); STEL(15 minutes): 890 mg/m3 (300 ppm)    |        |
| Butanone                             | 78-93-3  | ACGIH          | TWA:200 ppm;STEL:300 ppm                                                    |        |
| Hexane (isomers other than n-hexane) | 96-14-0  | Australia OELs | TWA(8 hours): 1760 mg/m3 (500 ppm); STEL(15 minutes): 3500 mg/m3 (1000 ppm) |        |
| 3-Methylpentane                      | 96-14-0  | ACGIH          | TWA:500 ppm;STEL:1000 ppm                                                   |        |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

Australia OELs : Australia. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment

CMRG : Chemical Manufacturer's Recommended Guidelines

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

Sen: Sensitiser

Sk: Absorption through the skin may be a significant source of exposure.

## 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.

Select and use eye protection in accordance with AS/NZS 1336. Eye protection should comply with the performance specifications of AS/NZS 1337.

#### 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

Select and use gloves according to AS/NZ 2161.

### Respiratory protection

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

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

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

Select and use respirators according to AS/NZS 1715. Respirators should comply with AS/NZS 1716 performance specifications. For information about respirators, call 3M on 1800 024 464.

## SECTION 9: Physical and chemical properties

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

|                                                   |                                                                            |
|---------------------------------------------------|----------------------------------------------------------------------------|
| Physical state                                    | Liquid.                                                                    |
| Specific Physical Form:                           | Viscous Liquid                                                             |
| Appearance/Odour                                  | Yellow; Sweet petroleum odor                                               |
| Odour threshold                                   | No data available.                                                         |
| pH                                                | No data available.                                                         |
| Melting point/Freezing point                      | No data available.                                                         |
| Boiling point/Initial boiling point/Boiling range | 64.4 - 87.2 °C [Details:Petroleum Distillate]                              |
| Flash point                                       | -21.1 °C [Test Method:Tagliabue closed cup] [Details:Petroleum Distillate] |
| Flammability (solid, gas)                         | Not applicable.                                                            |
| Flammable Limits(LEL)                             | 1 %                                                                        |
| Flammable Limits(UEL)                             | 11.5 %                                                                     |
| Vapour pressure                                   | <=186,140.2 Pa [@ 55 °C ]                                                  |
| Density                                           | 0.88 g/ml                                                                  |
| Relative density                                  | 0.88 [Ref Std:WATER=1]                                                     |
| Water solubility                                  | Slight (less than 10%)                                                     |
| Solubility- non-water                             | No data available.                                                         |
| Partition coefficient: n-octanol/water            | No data available.                                                         |
| Autoignition temperature                          | No data available.                                                         |
| Decomposition temperature                         | No data available.                                                         |
| Viscosity                                         | 4,000 - 6,800 mm <sup>2</sup> /sec [@ 23 °C ]                              |
| Volatile organic compounds (VOC)                  | 559 g/l [Test Method:calculated SCAQMD rule 443.1]                         |
| Volatile organic compounds (VOC)                  | 63.4 % weight [Test Method:calculated per CARB title 2]                    |
| Percent volatile                                  | 64.1 % weight                                                              |
| VOC less H <sub>2</sub> O & exempt solvents       | 560 g/l [Test Method:calculated SCAQMD rule 443.1]                         |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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

### 10.2 Chemical stability

Stable.

### 10.3. Conditions to avoid

Sparks and/or flames.

Heat.

#### 10.4. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

#### 10.5 Incompatible materials

Strong acids.

#### 10.6 Hazardous decomposition products

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

## 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

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.

##### 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:

##### 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 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.

**3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002****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-Vapour(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-Vapour (4 hours) | Rat                    | LC50 34.5 mg/l                                 |
| Butanone           | Ingestion                   | Rat                    | LD50 2,737 mg/kg                               |
| Hexane             | Dermal                      | Rabbit                 | LD50 > 2,000 mg/kg                             |
| Hexane             | Inhalation-Vapour (4 hours) | Rat                    | LC50 170 mg/l                                  |
| Hexane             | Ingestion                   | Rat                    | LD50 > 28,700 mg/kg                            |
| Phenolic Complex   | Dermal                      |                        | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| Phenolic Complex   | 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-Vapour (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-Vapour (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-Vapour           |                        | 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-Vapour           |                        | 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                               |
| Ethylbenzene       | Dermal                      | Rabbit                 | LD50 15,433 mg/kg                              |
| Ethylbenzene       | Inhalation-Vapour (4 hours) | Rat                    | LC50 17.4 mg/l                                 |
| Ethylbenzene       | Ingestion                   | Rat                    | LD50 4,769 mg/kg                               |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|------|---------|-------|
|------|---------|-------|

**3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002**

| Butanone           | Rabbit                 | Minimal irritation        |
|--------------------|------------------------|---------------------------|
| 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 |
| Ethylbenzene       | Rabbit                 | Mild irritant             |

**Serious Eye Damage/Irritation**

| Name               | Species                | Value                     |
|--------------------|------------------------|---------------------------|
| Butanone           | Rabbit                 | Severe irritant           |
| 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         |
| Ethylbenzene       | Rabbit                 | Moderate irritant         |

**Skin Sensitisation**

| Name         | Species    | Value           |
|--------------|------------|-----------------|
| Hexane       | Human      | Not sensitizing |
| Toluene      | Guinea pig | Not sensitizing |
| Ethylbenzene | Human      | Not sensitizing |

**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                                                                |
| Hexane          | In Vitro | Not mutagenic                                                                |
| 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                                                                |
| Ethylbenzene    | In vivo  | Not mutagenic                                                                |
| Ethylbenzene    | In Vitro | Some positive data exist, but the data are not sufficient for classification |

**Carcinogenicity**

| Name     | Route      | Species | Value                                                                        |
|----------|------------|---------|------------------------------------------------------------------------------|
| Butanone | Inhalation | Human   | Not carcinogenic                                                             |
| Hexane   | Dermal     | Mouse   | Not carcinogenic                                                             |
| 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 |

**3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002**

|                 |                |                         |                                                                              |
|-----------------|----------------|-------------------------|------------------------------------------------------------------------------|
| 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.                                                                |

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

| Name         | Route      | Value                                                                                            | Species | Test result           | Exposure Duration            |
|--------------|------------|--------------------------------------------------------------------------------------------------|---------|-----------------------|------------------------------|
| Butanone     | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification       | Rat     | LOAEL 8.8 mg/l        | during gestation             |
| Hexane       | Ingestion  | Not toxic to development                                                                         | Mouse   | NOAEL 2,200 mg/kg/day | during organogenesis         |
| Hexane       | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification       | 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                      |
| Toluene      | Inhalation | Some positive female reproductive data exist, but the data are not sufficient for classification | Human   | NOAEL Not available   | occupational exposure        |
| Toluene      | Inhalation | Some positive male reproductive data exist, but the data are not sufficient for classification   | 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       |
| Ethylbenzene | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification       | Rat     | NOAEL 4.3 mg/l        | premating & during gestation |

**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                       | Some positive                     | Human                   | NOAEL Not           |                   |

**3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002**

|                    |            |                                   |                                                                              |                        |                     |                  |
|--------------------|------------|-----------------------------------|------------------------------------------------------------------------------|------------------------|---------------------|------------------|
|                    |            | irritation                        | data exist, but the data are not sufficient for classification               |                        | available           |                  |
| Butanone           | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | Professional judgement | NOAEL Not available |                  |
| Butanone           | Ingestion  | liver                             | Some positive data exist, but the data are not sufficient for classification | Rat                    | NOAEL Not available | not applicable   |
| Butanone           | Ingestion  | kidney and/or bladder             | Some positive data exist, but the data are not sufficient for classification | Rat                    | LOAEL 1,080 mg/kg   | not applicable   |
| 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                | Some positive data exist, but the data are not sufficient for classification | 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 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                     | Some positive data exist, but the data are not sufficient for classification | Mouse                  | NOAEL 0.004 mg/l    | 3 hours          |
| Toluene            | Ingestion  | central nervous                   | May cause                                                                    | Human                  | NOAEL Not           | poisoning and/or |

**3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002**

|                 |            |                                   |                                                                              |                        |                     |       |
|-----------------|------------|-----------------------------------|------------------------------------------------------------------------------|------------------------|---------------------|-------|
|                 |            | system depression                 | drowsiness or dizziness                                                      |                        | available           | 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             | Some positive data exist, but the data are not sufficient for classification | 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             | Some positive data exist, but the data are not sufficient for classification | 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                | All data are negative                                                        | Human                  | 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 |       |

**Specific Target Organ Toxicity - repeated exposure**

| Name     | Route      | Target Organ(s)                                | Value                                                                        | Species    | Test result         | Exposure Duration |
|----------|------------|------------------------------------------------|------------------------------------------------------------------------------|------------|---------------------|-------------------|
| Butanone | Dermal     | nervous system                                 | All data are negative                                                        | Guinea pig | NOAEL Not available | 31 weeks          |
| Butanone | Inhalation | liver   kidney and/or bladder                  | Some positive data exist, but the data are not sufficient for classification | Rat        | NOAEL 14.7 mg/l     | 90 days           |
| Butanone | Inhalation | heart   endocrine system   bone, teeth, nails, | All data are negative                                                        | Rat        | NOAEL 14.7 mg/l     | 90 days           |

**3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002**

|          |            |                                                                                                           |                                                                                          |       |                          |                           |
|----------|------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------|--------------------------|---------------------------|
|          |            | and/or hair  <br>hematopoietic<br>system  <br>immune system<br>  muscles                                  |                                                                                          |       |                          |                           |
| Butanone | Ingestion  | liver                                                                                                     | Some positive<br>data exist, but the<br>data are not<br>sufficient for<br>classification | Rat   | NOAEL Not<br>available   | 7 days                    |
| Butanone | Ingestion  | nervous system                                                                                            | All data are<br>negative                                                                 | Rat   | NOAEL 173<br>mg/kg/day   | 90 days                   |
| Hexane   | Inhalation | peripheral<br>nervous system                                                                              | Causes damage to<br>organs through<br>prolonged or<br>repeated exposure                  | Human | NOAEL Not<br>available   | occupational<br>exposure  |
| Hexane   | Inhalation | respiratory<br>system                                                                                     | Some positive<br>data exist, but the<br>data are not<br>sufficient for<br>classification | Mouse | LOAEL 1.76<br>mg/l       | 13 weeks                  |
| Hexane   | Inhalation | liver                                                                                                     | Some positive<br>data exist, but the<br>data are not<br>sufficient for<br>classification | Rat   | NOAEL Not<br>available   | 6 months                  |
| Hexane   | Inhalation | kidney and/or<br>bladder                                                                                  | Some positive<br>data exist, but the<br>data are not<br>sufficient for<br>classification | Rat   | LOAEL 1.76<br>mg/l       | 6 months                  |
| Hexane   | Inhalation | hematopoietic<br>system                                                                                   | Some positive<br>data exist, but the<br>data are not<br>sufficient for<br>classification | Mouse | NOAEL 35.2<br>mg/l       | 13 weeks                  |
| Hexane   | Inhalation | auditory system<br>  immune<br>system   eyes                                                              | Some positive<br>data exist, but the<br>data are not<br>sufficient for<br>classification | Human | NOAEL Not<br>available   | occupational<br>exposure  |
| Hexane   | Inhalation | heart   skin  <br>endocrine<br>system                                                                     | All data are<br>negative                                                                 | Rat   | NOAEL 1.76<br>mg/l       | 6 months                  |
| Hexane   | Ingestion  | peripheral<br>nervous system                                                                              | Some positive<br>data exist, but the<br>data are not<br>sufficient for<br>classification | Rat   | NOAEL 1,140<br>mg/kg/day | 90 days                   |
| Hexane   | Ingestion  | endocrine<br>system  <br>hematopoietic<br>system   liver  <br>immune system<br>  kidney and/or<br>bladder | Some positive<br>data exist, but the<br>data are not<br>sufficient for<br>classification | Rat   | NOAEL Not<br>available   | 13 weeks                  |
| Heptane  | Inhalation | liver   nervous<br>system   kidney<br>and/or bladder                                                      | All data are<br>negative                                                                 | Rat   | NOAEL 12 mg/l            | 26 weeks                  |
| Toluene  | Inhalation | auditory system<br>  nervous system                                                                       | Causes damage to<br>organs through                                                       | Human | NOAEL Not<br>available   | poisoning and/or<br>abuse |

**3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002**

|         |            |                                        |                                                                              |                         |                       |                       |
|---------|------------|----------------------------------------|------------------------------------------------------------------------------|-------------------------|-----------------------|-----------------------|
|         |            | eyes   olfactory system                | prolonged or repeated exposure                                               |                         |                       |                       |
| 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  | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 11.3 mg/l       | 15 weeks              |
| Toluene | Inhalation | endocrine system                       | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 1.1 mg/l        | 4 weeks               |
| Toluene | Inhalation | immune system                          | Some positive data exist, but the data are not sufficient for classification | Mouse                   | NOAEL Not available   | 20 days               |
| Toluene | Inhalation | bone, teeth, nails, and/or hair        | Some positive data exist, but the data are not sufficient for classification | Mouse                   | NOAEL 1.1 mg/l        | 8 weeks               |
| Toluene | Inhalation | hematopoietic system   vascular system | Some positive data exist, but the data are not sufficient for classification | Human                   | NOAEL Not available   | occupational exposure |
| 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                                  | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 2,500 mg/kg/day | 13 weeks              |
| Toluene | Ingestion  | liver   kidney and/or bladder          | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL 2,500 mg/kg/day | 13 weeks              |
| Toluene | Ingestion  | hematopoietic system                   | Some positive data exist, but the data are not sufficient for classification | Mouse                   | NOAEL 600 mg/kg/day   | 14 days               |
| Toluene | Ingestion  | endocrine system                       | Some positive data exist, but the data are not sufficient for classification | Mouse                   | NOAEL 105 mg/kg/day   | 28 days               |
| Toluene | Ingestion  | immune system                          | Some positive data exist, but the data are not sufficient for                | Mouse                   | NOAEL 105 mg/kg/day   | 4 weeks               |

**3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002**

|                 |            |                                            | classification                                                               |                         |                     |           |
|-----------------|------------|--------------------------------------------|------------------------------------------------------------------------------|-------------------------|---------------------|-----------|
| 2-Methylpentane | Inhalation | peripheral nervous system                  | All data are negative                                                        | Rat                     | NOAEL 5.3 mg/l      | 14 weeks  |
| 2-Methylpentane | Ingestion  | peripheral nervous system                  | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL Not available | 8 weeks   |
| 2-Methylpentane | Ingestion  | kidney and/or bladder                      | Some positive data exist, but the data are not sufficient for classification | Rat                     | LOAEL 2,000 mg/kg   | 28 days   |
| 3-Methylpentane | Inhalation | peripheral nervous system                  | All data are negative                                                        | Rat                     | NOAEL 5.3 mg/l      | 14 weeks  |
| 3-Methylpentane | Ingestion  | peripheral nervous system                  | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL Not available | 8 weeks   |
| 3-Methylpentane | Ingestion  | kidney and/or bladder                      | Some positive data exist, but the data are not sufficient for classification | Rat                     | LOAEL 2,000 mg/kg   | 28 days   |
| 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                       | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 3.4 mg/l      | 28 days   |
| Ethylbenzene    | Inhalation | auditory system                            | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 2.4 mg/l      | 5 days    |
| Ethylbenzene    | Inhalation | endocrine system                           | Some positive data exist, but the data are not sufficient for classification | Mouse                   | NOAEL 3.3 mg/l      | 103 weeks |
| Ethylbenzene    | Inhalation | bone, teeth, nails, and/or hair   muscles  | All data are negative                                                        | Multiple animal species | NOAEL 4.2 mg/l      | 90 days   |
| Ethylbenzene    | Inhalation | heart   immune system   respiratory system | All data are negative                                                        | Multiple animal species | NOAEL 3.3 mg/l      | 2 years   |
| Ethylbenzene    | Ingestion  | liver   kidney and/or bladder              | Some positive data exist, but the                                            | Rat                     | NOAEL 680 mg/kg/day | 6 months  |

**3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002**

|  |  |  |                                            |  |  |  |
|--|--|--|--------------------------------------------|--|--|--|
|  |  |  | data are not sufficient for classification |  |  |  |
|--|--|--|--------------------------------------------|--|--|--|

**Aspiration Hazard**

| Name               | Value             |
|--------------------|-------------------|
| Hexane             | Aspiration hazard |
| Heptane            | Aspiration hazard |
| Methylcyclopentane | Aspiration hazard |
| Toluene            | Aspiration hazard |
| 2-Methylpentane    | Aspiration hazard |
| 3-Methylpentane    | Aspiration hazard |
| Ethylbenzene       | Aspiration hazard |

**Exposure Levels**

Refer Section 8.1 Control Parameters of this Safety Data Sheet.

**Interactive Effects**

Not determined.

**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****Acute aquatic hazard:**

GHS Acute 2: Toxic to aquatic life.

**Chronic aquatic hazard:**

GHS Chronic 3: Harmful to aquatic life with long lasting effects.

No product test data available.

| Material        | CAS Number | Organism       | Type                                                  | Exposure | Test endpoint | Test result |
|-----------------|------------|----------------|-------------------------------------------------------|----------|---------------|-------------|
| Hexane          | 110-54-3   | Fathead minnow | Experimental                                          | 96 hours | LC50          | 2.5 mg/l    |
| Hexane          | 110-54-3   | Water flea     | Experimental                                          | 48 hours | EC50          | >3.9 mg/l   |
| Ethylbenzene    | 100-41-4   | Water flea     | Experimental                                          | 24 hours | EC50          | 1.81 mg/l   |
| Ethylbenzene    | 100-41-4   | Rainbow trout  | Experimental                                          | 96 hours | LC50          | 4.2 mg/l    |
| Ethylbenzene    | 100-41-4   | Green Algae    | Experimental                                          | 96 hours | EC50          | 3.6 mg/l    |
| Butanone        | 78-93-3    | Water flea     | Experimental                                          | 21 days  | NOEC          | 100 mg/l    |
| Butanone        | 78-93-3    | Green algae    | Experimental                                          | 72 hours | NOEC          | 93 mg/l     |
| Butanone        | 78-93-3    | Ricefish       | Experimental                                          | 96 hours | LC50          | >100 mg/l   |
| Magnesium oxide | 1309-48-4  |                | Data not available or insufficient for classification |          |               |             |
| Heptane         | 142-82-5   |                | Data not available or insufficient for                |          |               |             |

**3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002**

|                    |              |                   | classification                                        |          |      |           |
|--------------------|--------------|-------------------|-------------------------------------------------------|----------|------|-----------|
| Methylcyclopentane | 96-37-7      |                   | Data not available or insufficient for classification |          |      |           |
| 3-Methylpentane    | 96-14-0      | Fathead minnow    | Estimated                                             | 96 hours | LC50 | 2.5 mg/l  |
| 2-Methylpentane    | 107-83-5     | Fathead minnow    | Estimated                                             | 96 hours | LC50 | 15 mg/l   |
| Toluene            | 108-88-3     | Sheepshead Minnow | Experimental                                          | 28 days  | NOEC | 3.2 mg/l  |
| Toluene            | 108-88-3     | Water flea        | Experimental                                          | 48 hours | EC50 | 3.78 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  |
| Phenolic Complex   | Trade Secret |                   | Data not available or insufficient for classification |          |      |           |
| Polychloroprene    | 9010-98-4    |                   | Data not available or insufficient for classification |          |      |           |

**12.2. Persistence and degradability**

| Material         | CAS Number   | Test type                                             | Duration | Study Type                    | Test result       | Protocol                  |
|------------------|--------------|-------------------------------------------------------|----------|-------------------------------|-------------------|---------------------------|
| Ethylbenzene     | 100-41-4     | Experimental Photolysis                               |          | Photolytic half-life (in air) | 4.26 days (t 1/2) | Other methods             |
| Ethylbenzene     | 100-41-4     | Laboratory Biodegradation                             | 14 days  | BOD                           | 81 % weight       | Other methods             |
| 2-Methylpentane  | 107-83-5     | Experimental Photolysis                               |          | Photolytic half-life (in air) | 5.4 days (t 1/2)  | Other methods             |
| 2-Methylpentane  | 107-83-5     | Experimental Biodegradation                           | 28 days  | BOD                           | 93 % weight       | OECD 301C - MITI test (I) |
| Toluene          | 108-88-3     | Experimental Photolysis                               |          | Photolytic half-life (in air) | 5.38 days (t 1/2) | Other methods             |
| Toluene          | 108-88-3     | Experimental Biodegradation                           | 14 days  | BOD                           | 100 % weight      | OECD 301C - MITI test (I) |
| Hexane           | 110-54-3     | Experimental Photolysis                               |          | Photolytic half-life (in air) | 5.4 days (t 1/2)  | Other methods             |
| Hexane           | 110-54-3     | Experimental Bioconcentration                         | 28 days  | BOD                           | 100 % weight      | OECD 301C - MITI test (I) |
| Magnesium oxide  | 1309-48-4    | Data not available or insufficient for classification | N/A      | N/A                           | N/A               | N/A                       |
| Heptane          | 142-82-5     | Experimental Photolysis                               |          | Photolytic half-life (in air) | 4.24 days (t 1/2) | Other methods             |
| Heptane          | 142-82-5     | Experimental Biodegradation                           | 28 days  | BOD                           | 101 % weight      | OECD 301C - MITI test (I) |
| Phenolic Complex | Trade Secret | Data not available or insufficient for                | N/A      | N/A                           | N/A               | N/A                       |

**3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002**

|                    |           |                                                       |         |                               |                  |                           |
|--------------------|-----------|-------------------------------------------------------|---------|-------------------------------|------------------|---------------------------|
|                    |           | classification                                        |         |                               |                  |                           |
| Butanone           | 78-93-3   | Estimated Photolysis                                  |         | Photolytic half-life (in air) | 2.8 days (t 1/2) | Other methods             |
| Butanone           | 78-93-3   | Experimental Biodegradation                           | 20 days | BOD                           | 89 % weight      | Other methods             |
| Polychloroprene    | 9010-98-4 | Data not available or insufficient for classification | N/A     | N/A                           | N/A              | N/A                       |
| 3-Methylpentane    | 96-14-0   | Experimental Photolysis                               |         | Photolytic half-life (in air) | 5.3 days (t 1/2) | Other methods             |
| 3-Methylpentane    | 96-14-0   | Estimated Biodegradation                              | 28 days | BOD                           | 100 % weight     | OECD 301C - MITI test (I) |
| Methylcyclopentane | 96-37-7   | Data not available or insufficient for classification | N/A     | N/A                           | N/A              | N/A                       |

**12.3 : Bioaccumulative potential**

| Material           | CAS Number   | Test type                                             | Duration | Study Type             | Test result | Protocol                           |
|--------------------|--------------|-------------------------------------------------------|----------|------------------------|-------------|------------------------------------|
| Ethylbenzene       | 100-41-4     | Experimental BCF - Other                              |          | Bioaccumulation factor | 15          | Other methods                      |
| 2-Methylpentane    | 107-83-5     | Estimated Bioconcentration                            |          | Bioaccumulation factor | 64.8        | Other methods                      |
| Toluene            | 108-88-3     | Experimental Bioconcentration                         |          | Log Kow                | 2.73        | Other methods                      |
| Hexane             | 110-54-3     | Modeled Bioconcentration                              |          | Bioaccumulation factor | 138         | Other methods                      |
| Magnesium oxide    | 1309-48-4    | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                                |
| Heptane            | 142-82-5     | Estimated BCF - Other                                 |          | Bioaccumulation factor | 107         | Estimated: Bioconcentration factor |
| Phenolic Complex   | Trade Secret | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                                |
| Butanone           | 78-93-3      | Experimental Bioconcentration                         |          | Log Kow                | 0.29        | Other methods                      |
| Polychloroprene    | 9010-98-4    | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                                |
| 3-Methylpentane    | 96-14-0      | Experimental Bioconcentration                         |          | Log Kow                | 3.6         | Other methods                      |
| Methylcyclopentane | 96-37-7      | Experimental Bioaccumulation                          |          | Log Kow                | 3.37        | Other methods                      |

|                                                                 |
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| 3M™ Yellow Super Weatherstrip and Gasket Adhesive, 08001, 08002 |
|-----------------------------------------------------------------|

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|--|--|---|--|--|--|--|
|  |  | n |  |  |  |  |
|--|--|---|--|--|--|--|

#### 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

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

Incinerate in a permitted waste incineration facility.

### SECTION 14: Transport Information

#### Australian Dangerous Goods Code (ADG) - Road/Rail Transport

UN No.: UN1133

Proper shipping name: ADHESIVES

Class/Division: 3

Sub Risk: Not applicable.

Packing Group: II

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

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

##### Australian Inventory Status:

The chemical components contained within this product are listed on the Australian Inventory of Chemical Substances and are in compliance with the requirements of the Industrial Chemicals (Notification and Assessment) Act 1989 as amended.

**Poison Schedule:** This product has not been assessed for poisons scheduling as the product is intended for industrial and professional use only.

## **SECTION 16: Other information**

### **Revision information:**

Conversion to GHS format SDS.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Safety Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

Greenguard® is a United States based program. The 'Low VOC' reference related to United States Federal and State regulations exemptions for some solvents.

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