



## Safety Data Sheet

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|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006), as amended for GB.

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

3M™ Scotch-Weld™ Neoprene High Performance Rubber and Gasket Adhesive EC-1300L, Yellow

#### Product Identification Numbers

62-1403-6543-8

7000028564

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Identified uses

Adhesive

#### 1.3. Details of the supplier of the safety data sheet

**Address:** 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.  
**Telephone:** +44 (0)1344 858 000  
**E Mail:** tox.uk@mmm.com  
**Website:** www.3M.com/uk

#### 1.4. Emergency telephone number

+44 (0)1344 858 000

### SECTION 2: Hazard identification

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

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.

The aspiration hazard classification is not required due to the product's viscosity.

**CLASSIFICATION:**

Flammable Liquid, Category 2 - Flam. Liq. 2; H225  
 Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315  
 Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319  
 Reproductive Toxicity, Category 2 - Repr. 2; H361fd  
 Specific Target Organ Toxicity-Repeated Exposure, Category 2 - STOT RE 2; H373  
 Specific Target Organ Toxicity-Single Exposure, Category 3 - STOT SE 3; H336  
 Hazardous to the Aquatic Environment (Chronic), Category 2 - Aquatic Chronic 2; H411

For full text of H phrases, see Section 16.

**2.2. Label elements**

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

**SIGNAL WORD**

DANGER.

**Symbols**

GHS02 (Flame) |GHS07 (Exclamation mark) |GHS08 (Health Hazard) |GHS09 (Environment) |

**Pictograms**



| Ingredient  | CAS Nbr  | EC No.    | % by Wt   |
|---|----------|-----------|-----------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane |          | 924-168-8 | 30 - 40   |
| butanone  | 78-93-3  | 201-159-0 | 20 - 25   |
| toluene   | 108-88-3 | 203-625-9 | 4.5 - 9.5 |

**HAZARD STATEMENTS:**

|        |  |
|--------|--|
| H225   | Highly flammable liquid and vapour.  |
| H315   | Causes skin irritation.  |
| H319   | Causes serious eye irritation.   |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child.           |
| H336   | May cause drowsiness or dizziness.   |
| H373   | May cause damage to organs through prolonged or repeated exposure: nervous system. |
| H411   | Toxic to aquatic life with long lasting effects.                                   |

**PRECAUTIONARY STATEMENTS**

**Prevention:**

|       |  |
|-------|--|
| P210  | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P260A | Do not breathe vapours.  |
| P273  | Avoid release to the environment.  |
| P280K | Wear protective gloves and respiratory protection.   |

**Response:**

|                    |  |
|--------------------|--|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if |
|--------------------|--|

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P370 + P378 present and easy to do. Continue rinsing.  
 In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

**SUPPLEMENTAL INFORMATION:****Supplemental Hazard Statements:**

EUH208 Contains rosin. May produce an allergic reaction.

Contains 29% of components with unknown hazards to the aquatic environment.

**2.3. Other hazards**

Contains a substance identified as an endocrine disrupter in the list established in accordance with REACH Article 59(1), as amended by UK REACH Regulations SI 2019/758

This material does not contain any substances that are assessed to be a PBT or vPvB

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

| Ingredient  | Identifier(s)                            | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP], as amended for GB  |
|---|--|-----------|---|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane               | (EC-No.) 924-168-8                       | 30 - 40   | Aquatic Chronic 2, H411<br>Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Repr. 2, H361f<br>STOT SE 3, H336<br>STOT RE 2, H373 |
| butanone  | (CAS-No.) 78-93-3<br>(EC-No.) 201-159-0  | 20 - 25   | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066   |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, magnesium oxide complex | (CAS-No.) 68037-42-3                     | 15 - 20   | Substance not classified as hazardous   |
| Polychloroprene   | (CAS-No.) 9010-98-4                      | 5 - 15    | Substance not classified as hazardous   |
| toluene   | (CAS-No.) 108-88-3<br>(EC-No.) 203-625-9 | 4.5 - 9.5 | Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Repr. 2, H361d<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Aquatic Chronic 3, H412 |
| acetone   | (CAS-No.) 67-64-1<br>(EC-No.) 200-662-2  | < 2.5     | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066   |

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|                    |   |        |   |
|--------------------|---|--------|---|
| zinc oxide         | (CAS-No.) 1314-13-2<br>(EC-No.) 215-222-5 | < 1    | Aquatic Acute 1, H400,M=1<br>Aquatic Chronic 1, H410,M=1  |
| rosin              | (CAS-No.) 8050-09-7<br>(EC-No.) 232-475-7 | < 1    | Skin Sens. 1B, H317   |
| ethylbenzene       | (CAS-No.) 100-41-4<br>(EC-No.) 202-849-4  | < 0.5  | Flam. Liq. 2, H225<br>Acute Tox. 4, H332<br>Asp. Tox. 1, H304<br>STOT RE 2, H373<br>Aquatic Chronic 3, H412 |
| 4-tert-butylphenol | (CAS-No.) 98-54-4<br>(EC-No.) 202-679-0   | < 0.25 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Repr. 2, H361f<br>Aquatic Chronic 1, H410,M=1                    |

Any entry in the Identifier(s) column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. Please see section 16 for the full text of any H statements referred to in this section

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

**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**

The most important symptoms and effects based on the GB CLP classification include:

Irritation to the skin (localized redness, swelling, itching, and dryness). Serious irritation to the eyes (significant redness, swelling, pain, tearing, and impaired vision). Central nervous system depression (headache, dizziness, drowsiness, incoordination, nausea, slurred speech, giddiness, and unconsciousness). Target organ effects. See Section 11 for additional details.

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

Not applicable

**SECTION 5: Fire-fighting measures****5.1. Extinguishing media**

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

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

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

## Hazardous Decomposition or By-Products

| <u>Substance</u>  | <u>Condition</u>   |
|-------------------|--------------------|
| Aldehydes.        | During combustion. |
| Hydrocarbons.     | During combustion. |
| Carbon monoxide   | During combustion. |
| Carbon dioxide.   | During combustion. |
| Hydrogen Chloride | During combustion. |
| Ketones.          | During combustion. |

## 5.3. Advice for fire-fighters

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

## SECTION 6: Accidental release measures

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

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

### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build 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. 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.

### 6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

For industrial/occupational use only. Not for consumer sale or use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. 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.

**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. Specific end use(s)**

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

**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  | UK HSC | TWA:441 mg/m <sup>3</sup> (100 ppm);STEL:552 mg/m <sup>3</sup> (125 ppm)                 | SKIN                   |
| toluene                 | 108-88-3  | UK HSC | TWA: 191 mg/m <sup>3</sup> (50 ppm); STEL: 384 mg/m <sup>3</sup> (100 ppm)               | SKIN                   |
| DUST, INERT OR NUISANCE | 1314-13-2 | UK HSC | TWA(as respirable dust):4 mg/m <sup>3</sup> ;TWA(as inhalable dust):10 mg/m <sup>3</sup> |                        |
| acetone                 | 67-64-1   | UK HSC | TWA:1210 mg/m <sup>3</sup> (500 ppm);STEL:3620 mg/m <sup>3</sup> (1500 ppm)              |                        |
| butanone                | 78-93-3   | UK HSC | TWA: 600 mg/m <sup>3</sup> (200 ppm); STEL: 899 mg/m <sup>3</sup> (300 ppm)              | SKIN                   |
| rosin                   | 8050-09-7 | UK HSC | TWA(as fume):0.05 mg/m <sup>3</sup> ;STEL(as fume):0.15 mg/m <sup>3</sup>                | Respiratory Sensitizer |

UK HSC : UK Health and Safety Commission  
 TWA: Time-Weighted-Average  
 STEL: Short Term Exposure Limit  
 CEIL: Ceiling

**Biological limit values**

| Ingredient | CAS Nbr | Agency           | Determinant | Biological Specimen | Sampling Time | Value     | Additional comments |
|------------|---------|------------------|-------------|---------------------|---------------|-----------|---------------------|
| butanone   | 78-93-3 | UK EH40<br>BMGVs | Butan-2-one | Urine               | EOS           | 70 umol/L |                     |

UK EH40 BMGVs : UK. EH40 Biological Monitoring Guidance Values (BMGVs)  
 EOS: End of shift.

**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**

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Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:  
Safety glasses with side shields.  
Indirect vented goggles.

### *Applicable Norms/Standards*

Use eye protection conforming to EN 166

### **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:

| <b>Material</b>  | <b>Thickness (mm)</b> | <b>Breakthrough Time</b> |
|------------------|-----------------------|--------------------------|
| Polymer laminate | No data available     | No data available        |

### *Applicable Norms/Standards*

Use gloves tested to EN 374

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 vapours and particulates  
Organic vapour respirators may have short service life.

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

### *Applicable Norms/Standards*

Use a respirator conforming to EN 140 or EN 136: filter types A & P

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

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

|                                     |   |
|-------------------------------------|---|
| <b>Physical state</b>               | Liquid.                                     |
| <b>Colour</b>                       | Yellow                                      |
| <b>Odor</b>                         | Sweet Odor                                  |
| <b>Odour threshold</b>              | <i>No data available.</i>                   |
| <b>Melting point/freezing point</b> | <i>No data available.</i>                   |
| <b>Boiling point/boiling range</b>  | 60 °C                                       |
| <b>Flammability (solid, gas)</b>    | Not applicable.                             |
| <b>Flammable Limits(LEL)</b>        | 1 %   |
| <b>Flammable Limits(UEL)</b>        | 11.5 %                                      |
| <b>Flash point</b>                  | -25.6 °C [ <i>Test Method: Closed Cup</i> ] |
| <b>Autoignition temperature</b>     | <i>No data available.</i>                   |
| <b>Decomposition temperature</b>    | <i>No data available.</i>                   |

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|   |  |
|---|--|
| <b>pH</b>                                     | <i>substance/mixture is non-soluble (in water)</i> |
| <b>Kinematic Viscosity</b>                    | 767 mm <sup>2</sup> /sec                           |
| <b>Water solubility</b>                       | Negligible   |
| <b>Solubility- non-water</b>                  | <i>No data available.</i>                          |
| <b>Partition coefficient: n-octanol/water</b> | <i>No data available.</i>                          |
| <b>Vapour pressure</b>                        | 15,998.6 Pa [@ 20 °C ]                             |
| <b>Density</b>                                | <i>No data available.</i>                          |
| <b>Relative density</b>                       | 0.88 [Ref Std: WATER=1]                            |
| <b>Relative Vapour Density</b>                | 3 [Ref Std: AIR=1]                                 |

### 9.2. Other information

#### 9.2.2 Other safety characteristics

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>EU Volatile Organic Compounds</b> | <i>No data available.</i> |
| <b>Evaporation rate</b>              | >=2.5 [Ref Std: ETHER=1]  |
| <b>Molecular weight</b>              | <i>No data available.</i> |
| <b>Percent volatile</b>              | <i>No data available.</i> |

## 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

Sparks and/or flames.

### 10.5 Incompatible materials

Strong oxidising agents.

### 10.6 Hazardous decomposition products

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

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from 3M assessments.

### 11.1. Information on hazard classes as defined in the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain.

#### Signs and Symptoms of Exposure

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



**3M™ Scotch-Weld™ Neoprene High Performance Rubber and Gasket Adhesive EC-1300L, Yellow****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 localised redness, swelling, itching, dryness, cracking, blistering, and pain.

**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.

**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 |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | Dermal                      | Rat     | LD50 > 2,800 mg/kg                             |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | Inhalation-Vapour (4 hours) | Rat     | LC50 > 25.2 mg/l                               |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | Ingestion                   | Rat     | LD50 > 5,840 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                               |

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|   |                                |        |  |
|---|--------------------------------|--------|--|
| Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, magnesium oxide complex | Dermal                         |        | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, magnesium oxide 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                      |
| 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                         |
| acetone   | Dermal                         | Rabbit | LD50 > 15,688 mg/kg                      |
| acetone   | Inhalation-Vapour (4 hours)    | Rat    | LC50 76 mg/l                             |
| acetone   | Ingestion                      | Rat    | LD50 5,800 mg/kg                         |
| zinc oxide  | Dermal                         |        | LD50 estimated to be > 5,000 mg/kg       |
| zinc oxide  | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 5.7 mg/l                          |
| zinc oxide  | Ingestion                      | Rat    | LD50 > 5,000 mg/kg                       |
| rosin   | Dermal                         | Rabbit | LD50 > 2,500 mg/kg                       |
| rosin   | Ingestion                      | Rat    | LD50 7,600 mg/kg                         |
| ethylbenzene  | Dermal                         | Rabbit | LD50 15,433 mg/kg                        |
| ethylbenzene  | Inhalation-Vapour (4 hours)    | Rat    | LC50 17.4 mg/l                           |
| ethylbenzene  | Ingestion                      | Rat    | LD50 4,769 mg/kg                         |
| 4-tert-butylphenol  | Dermal                         | Rabbit | LD50 2,318 mg/kg                         |
| 4-tert-butylphenol  | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 5.6 mg/l                          |
| 4-tert-butylphenol  | Ingestion                      | Rat    | LD50 4,000 mg/kg                         |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name  | Species          | Value                     |
|---|------------------|---------------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | Rabbit           | Irritant                  |
| butanone  | Rabbit           | Minimal irritation        |
| Polychloroprene   | Human            | No significant irritation |
| toluene   | Rabbit           | Irritant                  |
| acetone   | Mouse            | Minimal irritation        |
| zinc oxide  | Human and animal | No significant irritation |
| rosin   | Rabbit           | No significant irritation |
| ethylbenzene  | Rabbit           | Mild irritant             |
| 4-tert-butylphenol  | Rabbit           | Irritant                  |

**Serious Eye Damage/Irritation**

| Name  | Species                | Value                     |
|---|------------------------|---------------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | Rabbit                 | Mild irritant             |
| butanone  | Rabbit                 | Severe irritant           |
| Polychloroprene   | Professional judgement | No significant irritation |
| toluene   | Rabbit                 | Moderate irritant         |
| acetone   | Rabbit                 | Severe irritant           |
| zinc oxide  | Rabbit                 | Mild irritant             |
| rosin   | Rabbit                 | Mild irritant             |

**3M™ Scotch-Weld™ Neoprene High Performance Rubber and Gasket Adhesive EC-1300L, Yellow**

|                    |        |                   |
|--------------------|--------|-------------------|
| ethylbenzene       | Rabbit | Moderate irritant |
| 4-tert-butylphenol | Rabbit | Corrosive         |

**Skin Sensitisation**

| Name  | Species          | Value          |
|---|------------------|----------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | Guinea pig       | Not classified |
| toluene   | Guinea pig       | Not classified |
| zinc oxide  | Guinea pig       | Not classified |
| rosin   | Guinea pig       | Sensitising    |
| ethylbenzene  | Human            | Not classified |
| 4-tert-butylphenol  | Human and animal | Not classified |

**Respiratory Sensitisation**

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

**Germ Cell Mutagenicity**

| Name               | Route    | Value  |
|--------------------|----------|--|
| butanone           | In Vitro | Not mutagenic  |
| toluene            | In Vitro | Not mutagenic  |
| toluene            | In vivo  | Not mutagenic  |
| acetone            | In vivo  | Not mutagenic  |
| acetone            | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| zinc oxide         | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| zinc oxide         | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| ethylbenzene       | In vivo  | Not mutagenic  |
| ethylbenzene       | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| 4-tert-butylphenol | In Vitro | Not mutagenic  |

**Carcinogenicity**

| Name               | Route          | Species                 | Value  |
|--------------------|----------------|-------------------------|--|
| butanone           | Inhalation     | Human                   | Not carcinogenic   |
| toluene            | Dermal         | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| toluene            | Ingestion      | Rat                     | Some positive data exist, but the data are not sufficient for classification |
| toluene            | Inhalation     | Mouse                   | Some positive data exist, but the data are not sufficient for classification |
| acetone            | Not specified. | Multiple animal species | Not carcinogenic   |
| ethylbenzene       | Inhalation     | Multiple animal species | Carcinogenic.  |
| 4-tert-butylphenol | Ingestion      | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |

**Reproductive Toxicity**

**3M™ Scotch-Weld™ Neoprene High Performance Rubber and Gasket Adhesive EC-1300L, Yellow**
**Reproductive and/or Developmental Effects**

| Name  | Route      | Value  | Species                 | Test result           | Exposure Duration              |
|---|------------|--|-------------------------|-----------------------|--------------------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | Ingestion  | Toxic to male reproduction                         | similar compounds       | NOAEL Not available   | not available                  |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | Inhalation | Toxic to male reproduction                         | similar compounds       | NOAEL Not available   | not available                  |
| butanone  | Inhalation | Not classified for development                     | Rat                     | LOAEL 8.8 mg/l        | during gestation               |
| 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         |
| acetone   | Ingestion  | Not classified for male reproduction               | Rat                     | NOAEL 1,700 mg/kg/day | 13 weeks                       |
| acetone   | Inhalation | Not classified for development                     | Rat                     | NOAEL 5.2 mg/l        | during organogenesis           |
| zinc oxide  | Ingestion  | Not classified for reproduction and/or development | Multiple animal species | NOAEL 125 mg/kg/day   | prematuring & during gestation |
| ethylbenzene  | Inhalation | Not classified for development                     | Rat                     | NOAEL 4.3 mg/l        | prematuring & during gestation |
| 4-tert-butylphenol  | Ingestion  | Not classified for male reproduction               | Rat                     | NOAEL 600 mg/kg/day   | 2 generation                   |
| 4-tert-butylphenol  | Ingestion  | Not classified for development                     | Rat                     | NOAEL 70 mg/kg/day    | 2 generation                   |
| 4-tert-butylphenol  | Ingestion  | Toxic to female reproduction                       | Rat                     | NOAEL 200 mg/kg/day   | 2 generation                   |

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

| Name  | Route      | Target Organ(s)                   | Value  | Species                 | Test result         | Exposure Duration |
|---|------------|-----------------------------------|--|-------------------------|---------------------|-------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | similar compounds       | NOAEL Not available | not available     |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | similar compounds       | NOAEL Not available | not available     |
| 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    |
| 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                | Human                   | NOAEL Not available |                   |

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|                    |            |                                   | classification   |                        |                     |                        |
|--------------------|------------|-----------------------------------|--|------------------------|---------------------|------------------------|
| 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 |
| acetone            | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human                  | NOAEL Not available |                        |
| acetone            | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                  | NOAEL Not available |                        |
| acetone            | Inhalation | immune system                     | Not classified   | Human                  | NOAEL 1.19 mg/l     | 6 hours                |
| acetone            | Inhalation | liver                             | Not classified   | Guinea pig             | NOAEL Not available |                        |
| acetone            | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Human                  | NOAEL Not available | poisoning and/or abuse |
| 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 |                        |
| 4-tert-butylphenol | Inhalation | respiratory irritation            | May cause respiratory irritation   | Rat                    | LOAEL 5.6 mg/l      | 4 hours                |

**Specific Target Organ Toxicity - repeated exposure**

| Name  | Route      | Target Organ(s)  | Value  | Species           | Test result         | Exposure Duration      |
|---|------------|--|--|-------------------|---------------------|------------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | Inhalation | peripheral nervous system  | May cause damage to organs though prolonged or repeated exposure             | similar compounds | NOAEL Not available | not available          |
| 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 system   muscles | Not classified   | Rat               | NOAEL 14.7 mg/l     | 90 days                |
| 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                |
| 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  |

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|              |            |   |  |                         |                        |               |
|--------------|------------|---|--|-------------------------|------------------------|---------------|
| 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 mg/kg/day    | 4 weeks       |
| acetone      | Dermal     | eyes  | Not classified   | Guinea pig              | NOAEL Not available    | 3 weeks       |
| acetone      | Inhalation | hematopoietic system  | Not classified   | Human                   | NOAEL 3 mg/l           | 6 weeks       |
| acetone      | Inhalation | immune system   | Not classified   | Human                   | NOAEL 1.19 mg/l        | 6 days        |
| acetone      | Inhalation | kidney and/or bladder   | Not classified   | Guinea pig              | NOAEL 119 mg/l         | not available |
| acetone      | Inhalation | heart   liver   | Not classified   | Rat                     | NOAEL 45 mg/l          | 8 weeks       |
| acetone      | Ingestion  | kidney and/or bladder   | Not classified   | Rat                     | NOAEL 900 mg/kg/day    | 13 weeks      |
| acetone      | Ingestion  | heart   | Not classified   | Rat                     | NOAEL 2,500 mg/kg/day  | 13 weeks      |
| acetone      | Ingestion  | hematopoietic system  | Not classified   | Rat                     | NOAEL 200 mg/kg/day    | 13 weeks      |
| acetone      | Ingestion  | liver   | Not classified   | Mouse                   | NOAEL 3,896 mg/kg/day  | 14 days       |
| acetone      | Ingestion  | eyes  | Not classified   | Rat                     | NOAEL 3,400 mg/kg/day  | 13 weeks      |
| acetone      | Ingestion  | respiratory system  | Not classified   | Rat                     | NOAEL 2,500 mg/kg/day  | 13 weeks      |
| acetone      | Ingestion  | muscles   | Not classified   | Rat                     | NOAEL 2,500 mg/kg      | 13 weeks      |
| acetone      | Ingestion  | skin   bone, teeth, nails, and/or hair                          | Not classified   | Mouse                   | NOAEL 11,298 mg/kg/day | 13 weeks      |
| zinc oxide   | Ingestion  | nervous system  | Not classified   | Rat                     | NOAEL 600 mg/kg/day    | 10 days       |
| zinc oxide   | Ingestion  | endocrine system   hematopoietic system   kidney and/or bladder | Not classified   | Other                   | NOAEL 500 mg/kg/day    | 6 months      |
| ethylbenzene | Inhalation | kidney and/or bladder   | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 1.1 mg/l         | 2 years       |
| ethylbenzene | Inhalation | liver   | Some positive data exist, but the data are not sufficient for classification | Mouse                   | NOAEL 1.1 mg/l         | 103 weeks     |
| ethylbenzene | Inhalation | hematopoietic system  | Not classified   | Rat                     | NOAEL 3.4 mg/l         | 28 days       |
| ethylbenzene | Inhalation | auditory system   | Not classified   | Rat                     | NOAEL 2.4 mg/l         | 5 days        |
| ethylbenzene | Inhalation | endocrine system  | Not classified   | Mouse                   | NOAEL 3.3 mg/l         | 103 weeks     |
| ethylbenzene | Inhalation | gastrointestinal tract  | Not classified   | Rat                     | NOAEL 3.3              | 2 years       |

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|                    |            |  |                |                         |                     |              |
|--------------------|------------|--|----------------|-------------------------|---------------------|--------------|
| ethylbenzene       | Inhalation | bone, teeth, nails, and/or hair   muscles        | Not classified | Multiple animal species | NOAEL 4.2 mg/l      | 90 days      |
| ethylbenzene       | Inhalation | heart   immune system   respiratory system       | Not classified | Multiple animal species | NOAEL 3.3 mg/l      | 2 years      |
| ethylbenzene       | Ingestion  | liver   kidney and/or bladder                    | Not classified | Rat                     | NOAEL 680 mg/kg/day | 6 months     |
| 4-tert-butylphenol | Ingestion  | endocrine system   liver   kidney and/or bladder | Not classified | Rat                     | NOAEL 600 mg/kg/day | 2 generation |
| 4-tert-butylphenol | Ingestion  | blood  | Not classified | Rat                     | NOAEL 200 mg/kg     | 6 weeks      |

**Aspiration Hazard**

| Name  | Value             |
|---|-------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | Aspiration hazard |
| toluene   | Aspiration hazard |
| ethylbenzene  | Aspiration hazard |

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

**11.2. Information on other hazards**

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

**SECTION 12: Ecological information**

The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

**12.1. Toxicity**

No product test data available.

| Material  | CAS #     | Organism      | Type      | Exposure | Test endpoint | Test result |
|---|-----------|---------------|-----------|----------|---------------|-------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | 924-168-8 | Green algae   | Estimated | 72 hours | EL50          | 30-100 mg/l |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | 924-168-8 | Rainbow trout | Estimated | 96 hours | LL50          | 11.4 mg/l   |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | 924-168-8 | Water flea    | Estimated | 48 hours | EL50          | 3 mg/l      |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | 924-168-8 | Green algae   | Estimated | 72 hours | NOEL          | 3 mg/l      |
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane | 924-168-8 | Water flea    | Estimated | 21 days  | NOEC          | 0.17 mg/l   |

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|   |            |                               |   |          |       |                              |
|---|------------|-------------------------------|---|----------|-------|------------------------------|
| hexane  |            |                               |   |          |       |                              |
| butanone  | 78-93-3    | Fathead minnow                | Experimental  | 96 hours | LC50  | 2,993 mg/l                   |
| butanone  | 78-93-3    | Green algae                   | Experimental  | 96 hours | ErC50 | 2,029 mg/l                   |
| butanone  | 78-93-3    | Water flea                    | Experimental  | 48 hours | EC50  | 308 mg/l                     |
| butanone  | 78-93-3    | Green algae                   | Experimental  | 96 hours | ErC10 | 1,289 mg/l                   |
| butanone  | 78-93-3    | Water flea                    | Experimental  | 21 days  | NOEC  | 100 mg/l                     |
| butanone  | 78-93-3    | Bacteria                      | Experimental  | 16 hours | LOEC  | 1,150 mg/l                   |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, magnesium oxide complex | 68037-42-3 | N/A                           | Data not available or insufficient for classification | N/A      | N/A   | n/a                          |
| Polychloroprene   | 9010-98-4  | N/A                           | Data not available or insufficient for classification | N/A      | N/A   | N/A                          |
| toluene   | 108-88-3   | Coho Salmon                   | Experimental  | 96 hours | LC50  | 5.5 mg/l                     |
| toluene   | 108-88-3   | Grass Shrimp                  | Experimental  | 96 hours | LC50  | 9.5 mg/l                     |
| toluene   | 108-88-3   | Green algae                   | Experimental  | 72 hours | EC50  | 12.5 mg/l                    |
| toluene   | 108-88-3   | Leopard frog                  | Experimental  | 9 days   | LC50  | 0.39 mg/l                    |
| toluene   | 108-88-3   | Pink Salmon                   | Experimental  | 96 hours | LC50  | 6.41 mg/l                    |
| toluene   | 108-88-3   | Water flea                    | Experimental  | 48 hours | EC50  | 3.78 mg/l                    |
| toluene   | 108-88-3   | Coho Salmon                   | Experimental  | 40 days  | NOEC  | 1.39 mg/l                    |
| toluene   | 108-88-3   | Diatom                        | Experimental  | 72 hours | NOEC  | 10 mg/l                      |
| toluene   | 108-88-3   | Water flea                    | Experimental  | 7 days   | NOEC  | 0.74 mg/l                    |
| toluene   | 108-88-3   | Activated sludge              | Experimental  | 12 hours | IC50  | 292 mg/l                     |
| toluene   | 108-88-3   | Bacteria                      | Experimental  | 16 hours | NOEC  | 29 mg/l                      |
| toluene   | 108-88-3   | Bacteria                      | Experimental  | 24 hours | EC50  | 84 mg/l                      |
| toluene   | 108-88-3   | Redworm                       | Experimental  | 28 days  | LC50  | >150 mg per kg of bodyweight |
| toluene   | 108-88-3   | Soil microbes                 | Experimental  | 28 days  | NOEC  | <26 mg/kg (Dry Weight)       |
| acetone   | 67-64-1    | Algae or other aquatic plants | Experimental  | 96 hours | EC50  | 11,493 mg/l                  |
| acetone   | 67-64-1    | Invertebrate                  | Experimental  | 24 hours | LC50  | 2,100 mg/l                   |
| acetone   | 67-64-1    | Rainbow trout                 | Experimental  | 96 hours | LC50  | 5,540 mg/l                   |
| acetone   | 67-64-1    | Water flea                    | Experimental  | 21 days  | NOEC  | 1,000 mg/l                   |
| acetone   | 67-64-1    | Bacteria                      | Experimental  | 16 hours | NOEC  | 1,700 mg/l                   |
| acetone   | 67-64-1    | Redworm                       | Experimental  | 48 hours | LC50  | >100                         |
| rosin   | 8050-09-7  | Bacteria                      | Experimental  | N/A      | EC50  | 76.1 mg/l                    |
| rosin   | 8050-09-7  | Green algae                   | Experimental  | 72 hours | EL50  | >100 mg/l                    |



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|                    |           |                     |              |          |       |            |
|--------------------|-----------|---------------------|--------------|----------|-------|------------|
| rosin              | 8050-09-7 | Water flea          | Experimental | 48 hours | EL50  | 911 mg/l   |
| rosin              | 8050-09-7 | Zebra Fish          | Experimental | 96 hours | LL50  | >1 mg/l    |
| rosin              | 8050-09-7 | Green algae         | Experimental | 72 hours | NOEL  | 100 mg/l   |
| zinc oxide         | 1314-13-2 | Activated sludge    | Estimated    | 3 hours  | EC50  | 6.5 mg/l   |
| zinc oxide         | 1314-13-2 | Green algae         | Estimated    | 72 hours | EC50  | 0.052 mg/l |
| zinc oxide         | 1314-13-2 | Rainbow trout       | Estimated    | 96 hours | LC50  | 0.21 mg/l  |
| zinc oxide         | 1314-13-2 | Water flea          | Estimated    | 48 hours | EC50  | 0.07 mg/l  |
| zinc oxide         | 1314-13-2 | Green algae         | Estimated    | 72 hours | NOEC  | 0.006 mg/l |
| zinc oxide         | 1314-13-2 | Water flea          | Estimated    | 7 days   | NOEC  | 0.02 mg/l  |
| ethylbenzene       | 100-41-4  | Activated sludge    | Experimental | 49 hours | EC50  | 130 mg/l   |
| ethylbenzene       | 100-41-4  | Atlantic Silverside | Experimental | 96 hours | LC50  | 5.1 mg/l   |
| ethylbenzene       | 100-41-4  | Green algae         | Experimental | 96 hours | EC50  | 3.6 mg/l   |
| ethylbenzene       | 100-41-4  | Mysid Shrimp        | Experimental | 96 hours | LC50  | 2.6 mg/l   |
| ethylbenzene       | 100-41-4  | Rainbow trout       | Experimental | 96 hours | LC50  | 4.2 mg/l   |
| ethylbenzene       | 100-41-4  | Water flea          | Experimental | 48 hours | EC50  | 1.8 mg/l   |
| ethylbenzene       | 100-41-4  | Water flea          | Experimental | 7 days   | NOEC  | 0.96 mg/l  |
| 4-tert-butylphenol | 98-54-4   | Ciliated protozoa   | Experimental | 60 hours | IC50  | 18.4 mg/l  |
| 4-tert-butylphenol | 98-54-4   | Green algae         | Experimental | 72 hours | ErC50 | 14 mg/l    |
| 4-tert-butylphenol | 98-54-4   | Invertebrate        | Experimental | 96 hours | LC50  | 1.9 mg/l   |
| 4-tert-butylphenol | 98-54-4   | Medaka              | Experimental | 96 hours | LC50  | 5.1 mg/l   |
| 4-tert-butylphenol | 98-54-4   | Water flea          | Experimental | 48 hours | EC50  | 3.9 mg/l   |
| 4-tert-butylphenol | 98-54-4   | Fathead minnow      | Experimental | 128 days | NOEC  | 0.01 mg/l  |
| 4-tert-butylphenol | 98-54-4   | Green algae         | Experimental | 72 hours | NOEC  | 0.32 mg/l  |
| 4-tert-butylphenol | 98-54-4   | Water flea          | Experimental | 21 days  | NOEC  | 0.73 mg/l  |

**12.2. Persistence and degradability**

| Material  | CAS Nbr    | Test type                   | Duration | Study Type | Test result  | Protocol                            |
|---|------------|-----------------------------|----------|------------|--------------|-------------------------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane               | 924-168-8  | Estimated Biodegradation    | 28 days  | BOD        | 98 %BOD/ThOD | OECD 301F - Manometric respirometry |
| butanone  | 78-93-3    | Experimental Biodegradation | 28 days  | BOD        | 98 %BOD/ThOD | OECD 301D - Closed bottle test      |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, magnesium oxide complex | 68037-42-3 | Data not available          | N/A      | N/A        | N/A          | N/A                                 |
| Polychloroprene   | 9010-98-4  | Data not available          | N/A      | N/A        | N/A          | N/A                                 |

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|                    |           |                                   |         |                                |                                      |                                   |
|--------------------|-----------|-----------------------------------|---------|--------------------------------|--------------------------------------|-----------------------------------|
|                    |           | insufficient                      |         |                                |                                      |                                   |
| toluene            | 108-88-3  | Experimental Biodegradation       | 20 days | BOD                            | 80 %BOD/ThOD                         | APHA Std Meth Water/Wastewater    |
| toluene            | 108-88-3  | Experimental Photolysis           |         | Photolytic half-life (in air)  | 5.2 days (t 1/2)                     |                                   |
| acetone            | 67-64-1   | Experimental Biodegradation       | 28 days | BOD                            | 78 %BOD/ThOD                         | OECD 301D - Closed bottle test    |
| acetone            | 67-64-1   | Experimental Photolysis           |         | Photolytic half-life (in air)  | 147 days (t 1/2)                     |                                   |
| rosin              | 8050-09-7 | Experimental Biodegradation       | 28 days | CO2 evolution                  | 64 %CO2 evolution/THCO2 evolution    | OECD 301B - Modified sturm or CO2 |
| zinc oxide         | 1314-13-2 | Data not available - insufficient | N/A     | N/A                            | N/A                                  | N/A                               |
| ethylbenzene       | 100-41-4  | Experimental Biodegradation       | 28 days | CO2 evolution                  | 70-80 %CO2 evolution/THCO2 evolution | ISO 14593 Inorg C Headspace       |
| ethylbenzene       | 100-41-4  | Experimental Photolysis           |         | Photolytic half-life (in air)  | 4.26 days (t 1/2)                    |                                   |
| 4-tert-butylphenol | 98-54-4   | Experimental Biodegradation       | 28 days | Dissolv. Organic Carbon Deplet | 98 %removal of DOC                   | EC C.4.A. DOC Die-Away Test       |

**12.3 : Bioaccumulative potential**

| Material  | Cas No.    | Test type   | Duration | Study Type             | Test result | Protocol                     |
|---|------------|---|----------|------------------------|-------------|------------------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane               | 924-168-8  | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                          |
| butanone  | 78-93-3    | Experimental Bioconcentration                         |          | Log Kow                | 0.3         | OECD 117 log Kow HPLC method |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, magnesium oxide complex | 68037-42-3 | 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                          |
| toluene   | 108-88-3   | Experimental BCF - Other                              | 72 hours | Bioaccumulation factor | 90          |                              |
| toluene   | 108-88-3   | Experimental Bioconcentration                         |          | Log Kow                | 2.73        |                              |
| acetone   | 67-64-1    | Experimental BCF - Other                              |          | Bioaccumulation factor | 0.65        |                              |
| acetone   | 67-64-1    | Experimental Bioconcentration                         |          | Log Kow                | -0.24       |                              |
| rosin   | 8050-09-7  | Analogous Compound BCF - Fish                         | 20 days  | Bioaccumulation factor | 129         |                              |
| zinc oxide  | 1314-13-2  | Experimental BCF - Fish                               | 56 days  | Bioaccumulation factor | ≤217        | OECD305-Bioconcentration     |
| ethylbenzene  | 100-41-4   | Experimental BCF - Fish                               | 42 days  | Bioaccumulation factor | 1           |                              |
| 4-tert-butylphenol  | 98-54-4    | Experimental BCF - Fish                               | 56 days  | Bioaccumulation factor | 88          | OECD305-Bioconcentration     |
| 4-tert-butylphenol  | 98-54-4    | Experimental Bioconcentration                         |          | Log Kow                | 3           | OECD 117 log Kow HPLC method |

**12.4. Mobility in soil**

| Material | Cas No.  | Test type    | Study Type | Test result | Protocol |
|----------|----------|--------------|------------|-------------|----------|
| toluene  | 108-88-3 | Experimental | Koc        | 37-160 l/kg |          |

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|                    |         | Mobility in Soil         |     |          |           |
|--------------------|---------|--------------------------|-----|----------|-----------|
| acetone            | 67-64-1 | Modeled Mobility in Soil | Koc | 9.7 l/kg | Episuite™ |
| 4-tert-butylphenol | 98-54-4 | Modeled Mobility in Soil | Koc | 840 l/kg | Episuite™ |

**12.5. Results of the PBT and vPvB assessment**

This material does not contain any substances that are assessed to be a PBT or vPvB

**12.6. Other adverse effects**

| Ingredient         | CAS Nbr | Environmental endocrine disruptor information  |
|--------------------|---------|--|
| 4-tert-butylphenol | 98-54-4 | This chemical has been determined to cause long-term effects in fish, including feminization of gonadal ducts in male fish and elevated levels of vitellogenin in female fish. |

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

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

Incinerate in a permitted waste incineration facility. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. 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.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

**EU waste code (product as sold)**

08 04 09\* Waste adhesives and sealants containing organic solvents or other dangerous substances

**SECTION 14: Transportation information**

|  | Ground Transport (ADR)    | Air Transport (IATA) | Marine Transport (IMDG) |
|--|---------------------------|----------------------|-------------------------|
| <b>14.1 UN number</b>                  | UN1133                    | UN1133               | UN1133                  |
| <b>14.2 UN proper shipping name</b>    | ADHESIVES                 | ADHESIVES            | ADHESIVES (ZINC OXIDE)  |
| <b>14.3 Transport hazard class(es)</b> | 3                         | 3                    | 3                       |
| <b>14.4 Packing group</b>              | II                        | II                   | II                      |
| <b>14.5 Environmental hazards</b>      | Environmentally Hazardous | Not applicable       | Marine Pollutant        |

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|  |  |  |  |
|--|--|--|--|
| <b>14.6 Special precautions for user</b>   | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. |
| <b>14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code</b> | No data available.   | No data available.   | No data available.   |
| <b>Control Temperature</b>   | No data available.   | No data available.   | No data available.   |
| <b>Emergency Temperature</b>   | No data available.   | No data available.   | No data available.   |
| <b>ADR Classification Code</b>   | F1   | Not applicable.  | Not applicable.  |
| <b>IMDG Segregation Code</b>   | Not applicable.  | Not applicable.  | NONE   |

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Carcinogenicity**

| <u>Ingredient</u> | <u>CAS Nbr</u> | <u>Classification</u>         | <u>Regulation</u>                           |
|-------------------|----------------|-------------------------------|---|
| Polychloroprene   | 9010-98-4      | Gr. 3: Not classifiable       | International Agency for Research on Cancer |
| toluene           | 108-88-3       | Gr. 3: Not classifiable       | International Agency for Research on Cancer |
| ethylbenzene      | 100-41-4       | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |

**Restrictions on the manufacture, placing on the market and use:**

The following substance(s) contained in this product is/are subject to Annex XVII of regulation (EC) 1907/2006, as amended for GB, with regard to restrictions on the manufacture, placing on the market and use when present in certain dangerous conditions. Users of this product are required to comply with the restrictions placed upon it by the aforementioned provision.

| <u>Ingredient</u> | <u>CAS Nbr</u> |
|-------------------|----------------|
| toluene           | 108-88-3       |

Restriction status: listed in UK REACH Annex XVII

Restricted uses: See Annex XVII to Regulation (EC) No 1907/2006 as amended for Great Britain for Conditions of Restriction

**Authorisation status under UK REACH:**

The following substance/s contained in this product might be or is/are subject to authorisation in accordance with UK

**3M™ Scotch-Weld™ Neoprene High Performance Rubber and Gasket Adhesive EC-1300L, Yellow**

REACH:

| <b><u>Ingredient</u></b> | <b><u>CAS Nbr</u></b> |
|--------------------------|-----------------------|
| 4-tert-butylphenol       | 98-54-4               |

Authorisation status: listed in the UK REACH Candidate List of Substances of Very High Concern for Authorisation

**Regulation UK regulation 2023/63 (marketing and use of explosive precursors and poisons)**

This product contains a reportable substance according to UK legislation 1972/66: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point. Please see UK Regulation 2023/63 for further details.

**Global inventory status**

Contact 3M for more information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

**COMAH Regulation, SI 2015/483**

Seveso hazard categories, Annex 1, Part 1

| Hazard Categories                       | Qualifying quantity (tonnes) for the application of |                         |
|---|---|-------------------------|
|   | Lower-tier requirements                             | Upper-tier requirements |
| E2 Hazardous to the Aquatic environment | 200   | 500                     |
| P5c FLAMMABLE LIQUIDS*                  | 5000  | 50000                   |

\*If maintained at a temperature above its boiling point or if particular processing conditions, such as high pressure or high temperature, may create major-accident hazards, P5a or P5b FLAMMABLE LIQUIDS may apply  
Seveso named dangerous substances, Annex 1, Part 2

| Dangerous Substances | Identifier(s) | Qualifying quantity (tonnes) for the application of |                         |
|----------------------|---------------|---|-------------------------|
|                      |               | Lower-tier requirements                             | Upper-tier requirements |
| acetone              | 67-64-1       | 10  | 50                      |
| ethylbenzene         | 100-41-4      | 10  | 50                      |
| butanone             | 78-93-3       | 10  | 50                      |
| 4-tert-butylphenol   | 98-54-4       | 100   | 200                     |
| toluene              | 108-88-3      | 10  | 50                      |
| zinc oxide           | 1314-13-2     | 100   | 200                     |

**Regulation (EU) No 649/2012, as amended for GB**

No chemicals listed

**15.2. Chemical Safety Assessment**

A chemical safety assessment has not been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended for GB.

**SECTION 16: Other information**

#### List of relevant H statements

|        |  |
|--------|--|
| EUH066 | Repeated exposure may cause skin dryness or cracking.                              |
| H225   | Highly flammable liquid and vapour.  |
| H304   | May be fatal if swallowed and enters airways.                                      |
| H315   | Causes skin irritation.  |
| H317   | May cause an allergic skin reaction.   |
| H318   | Causes serious eye damage.   |
| H319   | Causes serious eye irritation.   |
| H332   | Harmful if inhaled.  |
| H336   | May cause drowsiness or dizziness.   |
| H361d  | Suspected of damaging the unborn child.  |
| H361f  | Suspected of damaging fertility.   |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child.           |
| H373   | May cause damage to organs through prolonged or repeated exposure.                 |
| H373   | May cause damage to organs through prolonged or repeated exposure: nervous system. |
| H400   | Very toxic to aquatic life.  |
| H410   | Very toxic to aquatic life with long lasting effects.                              |
| H411   | Toxic to aquatic life with long lasting effects.                                   |
| H412   | Harmful to aquatic life with long lasting effects.                                 |

#### Revision information:

GB Section 02: CLP Ingredient table information was modified.

GB Section 15: Carcinogenicity information information was modified.

Label: CLP Precautionary - Prevention information was modified.

Label: CLP Precautionary - Response information was modified.

Section 02: Label Elements: GB Percent Unknown information was modified.

Section 11: Target Organs - Repeated Table information was modified.

**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 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. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into the European Union, you are responsible for all regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration.

**3M SDSs for Great Britain are available at [www.3M.com/uk](http://www.3M.com/uk)**

For Northern Ireland documents, please contact your 3M representative to obtain a copy.