

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Super Weatherstrip Adhesive

**Other means of identification** 81731, 81850

**Recommended use** Adhesive

**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Company name** ITW Permatex Canada  
**Address** c/o ITW Global Brands Canada  
2360 Bristol Circle, Suite 101  
Oakville, ON L6H 6M5  
**Telephone** (905) 693-8900  
**E-mail** literature.canada@permatex.com

**Emergency phone number** 800-255-3924 (Chem-Tel)

**Supplier** See above.

## 2. Hazard identification

|                              |                                                            |                                         |
|------------------------------|------------------------------------------------------------|-----------------------------------------|
| <b>Physical hazards</b>      | Flammable liquids                                          | Category 2                              |
| <b>Health hazards</b>        | Skin corrosion/irritation                                  | Category 2                              |
|                              | Serious eye damage/eye irritation                          | Category 2                              |
|                              | Reproductive toxicity                                      | Category 2                              |
|                              | Specific target organ toxicity following single exposure   | Category 3 respiratory tract irritation |
|                              | Specific target organ toxicity following single exposure   | Category 3 narcotic effects             |
|                              | Specific target organ toxicity following repeated exposure | Category 2                              |
| <b>Environmental hazards</b> | Not classified.                                            |                                         |

#### Label elements



**Signal word** Danger

**Hazard statement** Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of damaging fertility or the unborn child.  
May cause damage to organs through prolonged or repeated exposure.  
May cause drowsiness or dizziness.  
May cause respiratory irritation.

#### Precautionary statement

##### Prevention

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed. Use explosion-proof electrical, ventilating and lighting equipment.  
Use non-sparking tools. Ground and bond container and receiving equipment. Take action to prevent static discharges.  
Do not breathe fume.  
Use only outdoors or in a well-ventilated area.  
Wash thoroughly after handling.  
Wear protective gloves, protective clothing, eye protection and face protection.

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Response</b>                 | In case of fire: Use carbon dioxide, dry chemical, water spray, or foam to extinguish.<br>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs: Get medical attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse.<br>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.<br>IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE if you feel unwell. |
| <b>Storage</b>                  | Store in a well-ventilated place. Keep container tightly closed.<br>Store locked up.<br>Keep cool.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Disposal</b>                 | Dispose of container in accordance with local, regional, national and international regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Other hazards</b>            | None known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Supplemental information</b> | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                    | Common name and synonyms | CAS number | %         |
|----------------------------------|--------------------------|------------|-----------|
| Acetone                          |                          | 67-64-1    | 10 - 30 * |
| Hexane                           |                          | 110-54-3   | 10 - 30 * |
| 2-Butanone (Methyl ethyl ketone) |                          | 78-93-3    | 10 - 30 * |
| Toluene                          |                          | 108-88-3   | 10 - 30 * |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments** \*CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First-aid measures

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.                                                                                                                                                                                                                                                                            |
| <b>Skin contact</b>                                                           | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs: Get medical attention. Specific treatment (see information on this label).                                                                                                                                                                                                       |
| <b>Eye contact</b>                                                            | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.                                                                                                                                                                                                                      |
| <b>Ingestion</b>                                                              | Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.                                                                                                                                                                              |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Skin irritation. May cause redness and pain.<br>Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.<br>May cause drowsiness and dizziness. Headache. Nausea, vomiting.                                                                                                                                                                                 |
| <b>Indication of immediate medical attention and special treatment needed</b> | Symptoms may be delayed.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>General information</b>                                                    | IF exposed or concerned: Get medical advice. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Keep out of reach of children. |

### 5. Fire-fighting measures

|                                                                      |                                                                                                                                                                                      |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.                                                                                                              |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                                                                                                               |
| <b>Specific hazards arising from the chemical</b>                    | Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. |
| <b>Hazardous combustion products</b>                                 | May include and are not limited to: Oxides of carbon. Oxides of nitrogen.                                                                                                            |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.                                                                                        |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                                                                                                        |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.                                                                                           |
| <b>General fire hazards</b>                                          | Highly flammable liquid and vapour.                                                                                                                                                  |

## 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist or vapour. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Methods and materials for containment and cleaning up</b>               | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see Section 13 of the SDS. |
| <b>Environmental precautions</b>                                           | Do not discharge into lakes, streams, ponds or public waters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## 7. Handling and storage

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight.<br>Take precautionary measures against static discharges.<br>All equipment used when handling the product must be grounded.<br>Avoid contact with eyes, skin, and clothing.<br>Wear appropriate personal protective equipment.<br>Do not breathe mist or vapour.<br>Avoid prolonged exposure.<br>Pregnant or breastfeeding women must not handle this product.<br>Observe good industrial hygiene practices.<br>Wash thoroughly after handling.<br>When using do not eat or drink. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in a cool, dry place out of direct sunlight.<br>Store in a well-ventilated place.<br>Store away from incompatible materials (see Section 10 of the SDS).<br>Keep out of reach of children.<br>Store locked up.                                                                                                                                                                                                                                                                                                                                                                                               |

## 8. Exposure controls/Personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

| Components                                     | Type | Value   |
|------------------------------------------------|------|---------|
| 2-Butanone (Methyl ethyl ketone) (CAS 78-93-3) | STEL | 300 ppm |
|                                                | TWA  | 200 ppm |
| Acetone (CAS 67-64-1)                          | STEL | 500 ppm |
|                                                | TWA  | 250 ppm |
| Hexane (CAS 110-54-3)                          | TWA  | 50 ppm  |
| Toluene (CAS 108-88-3)                         | TWA  | 20 ppm  |

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

| Components                                     | Type | Value                 |
|------------------------------------------------|------|-----------------------|
| 2-Butanone (Methyl ethyl ketone) (CAS 78-93-3) | STEL | 885 mg/m3             |
|                                                |      | 300 ppm               |
|                                                | TWA  | 590 mg/m3<br>200 ppm  |
| Acetone (CAS 67-64-1)                          | STEL | 1800 mg/m3<br>750 ppm |
|                                                | TWA  | 1200 mg/m3<br>500 ppm |
| Hexane (CAS 110-54-3)                          | TWA  | 176 mg/m3<br>50 ppm   |
| Toluene (CAS 108-88-3)                         | TWA  | 188 mg/m3<br>50 ppm   |

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

| Components                                     | Type | Value   |
|------------------------------------------------|------|---------|
| 2-Butanone (Methyl ethyl ketone) (CAS 78-93-3) | STEL | 100 ppm |
|                                                | TWA  | 50 ppm  |
| Acetone (CAS 67-64-1)                          | STEL | 500 ppm |
|                                                | TWA  | 250 ppm |
| Hexane (CAS 110-54-3)                          | TWA  | 20 ppm  |
| Toluene (CAS 108-88-3)                         | TWA  | 20 ppm  |

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

| Components                                     | Type | Value   |
|------------------------------------------------|------|---------|
| 2-Butanone (Methyl ethyl ketone) (CAS 78-93-3) | STEL | 300 ppm |
|                                                | TWA  | 200 ppm |
| Acetone (CAS 67-64-1)                          | STEL | 500 ppm |
|                                                | TWA  | 250 ppm |
| Hexane (CAS 110-54-3)                          | TWA  | 50 ppm  |
| Toluene (CAS 108-88-3)                         | TWA  | 20 ppm  |

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

| Components                                     | Type | Value   |
|------------------------------------------------|------|---------|
| 2-Butanone (Methyl ethyl ketone) (CAS 78-93-3) | STEL | 300 ppm |
|                                                | TWA  | 200 ppm |
| Acetone (CAS 67-64-1)                          | STEL | 500 ppm |
|                                                | TWA  | 250 ppm |
| Hexane (CAS 110-54-3)                          | TWA  | 50 ppm  |
| Toluene (CAS 108-88-3)                         | TWA  | 20 ppm  |

**Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)**

| Components                                     | Type | Value                  |
|------------------------------------------------|------|------------------------|
| 2-Butanone (Methyl ethyl ketone) (CAS 78-93-3) | STEL | 300 mg/m3              |
|                                                |      | 100 ppm                |
|                                                | TWA  | 150 mg/m3<br>50 ppm    |
| Acetone (CAS 67-64-1)                          | STEL | 2380 mg/m3<br>1000 ppm |
|                                                | TWA  | 1190 mg/m3<br>500 ppm  |
| Hexane (CAS 110-54-3)                          | TWA  | 176 mg/m3<br>50 ppm    |
|                                                |      |                        |
| Toluene (CAS 108-88-3)                         | TWA  | 188 mg/m3<br>50 ppm    |
|                                                |      |                        |

**Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)**

| Components                                     | Type      | Value    |
|------------------------------------------------|-----------|----------|
| 2-Butanone (Methyl ethyl ketone) (CAS 78-93-3) | 15 minute | 300 ppm  |
|                                                | 8 hour    | 200 ppm  |
| Acetone (CAS 67-64-1)                          | 15 minute | 750 ppm  |
|                                                | 8 hour    | 500 ppm  |
| Hexane (CAS 110-54-3)                          | 15 minute | 62.5 ppm |
|                                                | 8 hour    | 50 ppm   |
| Toluene (CAS 108-88-3)                         | 15 minute | 60 ppm   |
|                                                | 8 hour    | 50 ppm   |

## Biological limit values

### ACGIH Biological Exposure Indices

| Components                                     | Value     | Determinant                         | Specimen            | Sampling Time |
|------------------------------------------------|-----------|-------------------------------------|---------------------|---------------|
| 2-Butanone (Methyl ethyl ketone) (CAS 78-93-3) | 2 mg/L    | MEK                                 | Urine               | *             |
| Acetone (CAS 67-64-1)                          | 25 mg/L   | Acetone                             | Urine               | *             |
| Hexane (CAS 110-54-3)                          | 0.5 mg/L  | 2,5-Hexanedione, without hydrolysis | Urine               | *             |
| Toluene (CAS 108-88-3)                         | 0.3 mg/g  | o-Cresol, with hydrolysis           | Creatinine in urine | *             |
|                                                | 0.03 mg/L | Toluene                             | Urine               | *             |
|                                                | 0.02 mg/L | Toluene                             | Blood               | *             |

\* - For sampling details, please see the source document.

## Exposure guidelines

### Canada - Alberta OELs: Skin designation

Hexane (CAS 110-54-3)

Can be absorbed through the skin.

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

### Canada - British Columbia OELs: Skin designation

Hexane (CAS 110-54-3)

Can be absorbed through the skin.

### Canada - Manitoba OELs: Skin designation

Hexane (CAS 110-54-3)

Can be absorbed through the skin.

### Canada - Ontario OELs: Skin designation

Hexane (CAS 110-54-3)

Can be absorbed through the skin.

### Canada - Quebec OELs: Skin designation

Hexane (CAS 110-54-3)

Can be absorbed through the skin.

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

### Canada - Saskatchewan OELs: Skin designation

Hexane (CAS 110-54-3)

Can be absorbed through the skin.

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

### US ACGIH Threshold Limit Values: Skin designation

Hexane (CAS 110-54-3)

Can be absorbed through the skin.

### Appropriate engineering controls

Ensure adequate ventilation.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Safety goggles or glasses.

#### Skin protection

##### Hand protection

Nitrile or neoprene gloves are recommended. Confirm with a reputable supplier first.

##### Other

As required by employer code.

#### Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

#### Thermal hazards

Not applicable.

### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

## 9. Physical and chemical properties

|                                         |                     |
|-----------------------------------------|---------------------|
| Appearance                              | Paste-like compound |
| Physical state                          | Liquid.             |
| Form                                    | Liquid.             |
| Colour                                  | Yellow              |
| Odour                                   | Solvent             |
| Odour threshold                         | Not available.      |
| pH                                      | Not available.      |
| Melting point/freezing point            | Not available.      |
| Initial boiling point and boiling range | 55 °C (131 °F)      |
| Flash point                             | -26.0 °C (-14.8 °F) |

|                                                     |                         |
|-----------------------------------------------------|-------------------------|
| Evaporation rate                                    | > 1 (Butyl acetate = 1) |
| Flammability (solid, gas)                           | Not applicable.         |
| <b>Upper/lower flammability or explosive limits</b> |                         |
| Explosive limit - lower ( %)                        | 1.2 %                   |
| Explosive limit – upper (%)                         | 13 %                    |
| Vapour pressure                                     | 175 mm Hg @ 20°C        |
| Vapour density                                      | Not available.          |
| Relative density                                    | Not available.          |
| <b>Solubility(ies)</b>                              |                         |
| Solubility (water)                                  | Not available.          |
| Partition coefficient (n-octanol/water)             | Not available.          |
| Auto-ignition temperature                           | Not available.          |
| Decomposition temperature                           | Not available.          |
| Viscosity                                           | Not available.          |
| <b>Other information</b>                            |                         |
| Explosive properties                                | Not explosive.          |
| Oxidising properties                                | Not oxidising.          |
| Specific gravity                                    | 0.89                    |

## 10. Stability and reactivity

|                                    |                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------|
| Reactivity                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability                 | Material is stable under normal conditions.                                                   |
| Possibility of hazardous reactions | Hazardous polymerisation does not occur.                                                      |
| Conditions to avoid                | Avoid heat, sparks, open flames and other ignition sources. Do not mix with other chemicals.  |
| Incompatible materials             | Acids. Strong oxidising agents. Strong bases.                                                 |
| Hazardous decomposition products   | May include and are not limited to: Oxides of carbon. Oxides of nitrogen.                     |

## 11. Toxicological information

### Information on likely routes of exposure

|                                                                              |                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation                                                                   | May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.                                                                         |
| Skin contact                                                                 | Causes skin irritation.                                                                                                                                                                                                  |
| Eye contact                                                                  | Causes serious eye irritation.                                                                                                                                                                                           |
| Ingestion                                                                    | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. May cause stomach distress, nausea or vomiting.                                                   |
| Symptoms related to the physical, chemical and toxicological characteristics | Skin irritation. May cause redness and pain.<br>Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.<br>May cause drowsiness and dizziness. Headache. Nausea, vomiting. |

### Information on toxicological effects

|                |                                                     |
|----------------|-----------------------------------------------------|
| Acute toxicity | Narcotic effects. May cause respiratory irritation. |
|----------------|-----------------------------------------------------|

| Components                                     | Species | Test Results               |
|------------------------------------------------|---------|----------------------------|
| 2-Butanone (Methyl ethyl ketone) (CAS 78-93-3) |         |                            |
| <b>Acute</b>                                   |         |                            |
| <i>Dermal</i>                                  |         |                            |
| LD50                                           | Rabbit  | > 10 ml/kg, 24 Hours, ECHA |
| <i>Inhalation</i>                              |         |                            |
| LC50                                           | Mouse   | 38000 mg/m³, 4 Hours       |
| <i>Oral</i>                                    |         |                            |
| LD50                                           | Rat     | 2193 mg/kg, ECHA           |

| Components                                                    | Species                                                                                                          | Test Results                                                         |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Acetone (CAS 67-64-1)                                         |                                                                                                                  |                                                                      |
| <b>Acute</b>                                                  |                                                                                                                  |                                                                      |
| <i>Dermal</i>                                                 |                                                                                                                  |                                                                      |
| LD50                                                          | Rabbit                                                                                                           | > 15800 mg/kg, Health Canada (HSA)                                   |
| <i>Inhalation</i>                                             |                                                                                                                  |                                                                      |
| LC50                                                          | Rat                                                                                                              | 76 mg/l/4h, Health Canada (HSA)                                      |
| <i>Oral</i>                                                   |                                                                                                                  |                                                                      |
| LD50                                                          | Rat                                                                                                              | 5800 mg/kg, Health Canada (HSA)                                      |
| Hexane (CAS 110-54-3)                                         |                                                                                                                  |                                                                      |
| <b>Acute</b>                                                  |                                                                                                                  |                                                                      |
| <i>Dermal</i>                                                 |                                                                                                                  |                                                                      |
| LD50                                                          | Rabbit                                                                                                           | > 5 ml/kg, 4 Hours, ECHA<br>3350 mg/kg, ECHA                         |
| <i>Inhalation</i>                                             |                                                                                                                  |                                                                      |
| LC50                                                          | Rat                                                                                                              | 259354 mg/m <sup>3</sup> , 4 Hours, ECHA<br>73860 ppm, 4 Hours, ECHA |
| <i>Oral</i>                                                   |                                                                                                                  |                                                                      |
| LD50                                                          | Rat                                                                                                              | 16000 mg/kg, ECHA                                                    |
| Toluene (CAS 108-88-3)                                        |                                                                                                                  |                                                                      |
| <b>Acute</b>                                                  |                                                                                                                  |                                                                      |
| <i>Dermal</i>                                                 |                                                                                                                  |                                                                      |
| LD50                                                          | Rabbit                                                                                                           | 12267 mg/kg, ECHA                                                    |
| <i>Inhalation</i>                                             |                                                                                                                  |                                                                      |
| LC50                                                          | Rat                                                                                                              | > 20 mg/l/4h, ECHA                                                   |
| <i>Oral</i>                                                   |                                                                                                                  |                                                                      |
| LD50                                                          | Rat                                                                                                              | 5580 mg/kg, ECHA                                                     |
| <b>Skin corrosion/irritation</b>                              | Causes skin irritation.                                                                                          |                                                                      |
| <b>Exposure minutes</b>                                       | Not available.                                                                                                   |                                                                      |
| <b>Erythema value</b>                                         | Not available.                                                                                                   |                                                                      |
| <b>Oedema value</b>                                           | Not available.                                                                                                   |                                                                      |
| <b>Serious eye damage/eye irritation</b>                      | Causes serious eye irritation.                                                                                   |                                                                      |
| <b>Corneal opacity value</b>                                  | Not available.                                                                                                   |                                                                      |
| <b>Iris lesion value</b>                                      | Not available.                                                                                                   |                                                                      |
| <b>Conjunctival reddening value</b>                           | Not available.                                                                                                   |                                                                      |
| <b>Conjunctival oedema value</b>                              | Not available.                                                                                                   |                                                                      |
| <b>Recover days</b>                                           | Not available.                                                                                                   |                                                                      |
| <b>Respiratory or skin sensitisation</b>                      |                                                                                                                  |                                                                      |
| <b>Respiratory sensitisation</b>                              | Not a respiratory sensitizer.                                                                                    |                                                                      |
| <b>Skin sensitisation</b>                                     | This product is not expected to cause skin sensitisation.                                                        |                                                                      |
| <b>Germ cell mutagenicity</b>                                 | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |                                                                      |
| <b>Carcinogenicity</b>                                        | See below.                                                                                                       |                                                                      |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b> |                                                                                                                  |                                                                      |
| Toluene (CAS 108-88-3)                                        | Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.                                       |                                                                      |
| <b>Reproductive toxicity</b>                                  | Suspected of damaging fertility or the unborn child.                                                             |                                                                      |
| <b>Specific target organ toxicity - single exposure</b>       | May cause drowsiness and dizziness. May cause respiratory irritation.                                            |                                                                      |
| <b>Specific target organ toxicity - repeated exposure</b>     | May cause damage to organs through prolonged or repeated exposure.                                               |                                                                      |
| <b>Aspiration hazard</b>                                      | Not classified.                                                                                                  |                                                                      |

|                            |                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Chronic effects</b>     | Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure. Peripheral nerve damage has been observed following occupational exposure to n-hexane. |
| <b>Further information</b> | Not available.                                                                                                                                                                                 |

## 12. Ecological information

|                                                |                                                                                                                                                                                         |                                                     |                              |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------|
| Ecotoxicity                                    | See below                                                                                                                                                                               |                                                     |                              |
| Ecotoxicological data                          |                                                                                                                                                                                         |                                                     |                              |
| Components                                     |                                                                                                                                                                                         | Species                                             | Test Results                 |
| 2-Butanone (Methyl ethyl ketone) (CAS 78-93-3) |                                                                                                                                                                                         |                                                     |                              |
| Crustacea                                      | EC50                                                                                                                                                                                    | Daphnia                                             | 520 mg/L, 48 Hours           |
| Aquatic                                        |                                                                                                                                                                                         |                                                     |                              |
| Fish                                           | LC50                                                                                                                                                                                    | Sheepshead minnow (Cyprinodon variegatus)           | > 400 mg/L, 96 hours         |
| Acetone (CAS 67-64-1)                          |                                                                                                                                                                                         |                                                     |                              |
| Crustacea                                      | EC50                                                                                                                                                                                    | Daphnia                                             | 13999 mg/L, 48 Hours         |
| Aquatic                                        |                                                                                                                                                                                         |                                                     |                              |
| Crustacea                                      | EC50                                                                                                                                                                                    | Water flea (Daphnia magna)                          | 10294 - 17704 mg/L, 48 hours |
| Fish                                           | LC50                                                                                                                                                                                    | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 4740 - 6330 mg/L, 96 hours   |
| Hexane (CAS 110-54-3)                          |                                                                                                                                                                                         |                                                     |                              |
| Aquatic                                        |                                                                                                                                                                                         |                                                     |                              |
| Fish                                           | LC50                                                                                                                                                                                    | Fathead minnow (Pimephales promelas)                | 2.101 - 2.981 mg/L, 96 hours |
| Toluene (CAS 108-88-3)                         |                                                                                                                                                                                         |                                                     |                              |
| Algae                                          | IC50                                                                                                                                                                                    | Algae                                               | 433 mg/L, 72 Hours           |
| Crustacea                                      | EC50                                                                                                                                                                                    | Daphnia                                             | 7.645 mg/L, 48 Hours         |
| Aquatic                                        |                                                                                                                                                                                         |                                                     |                              |
| Crustacea                                      | EC50                                                                                                                                                                                    | Water flea (Daphnia magna)                          | 5.46 - 9.83 mg/L, 48 hours   |
| Fish                                           | LC50                                                                                                                                                                                    | Coho salmon,silver salmon (Oncorhynchus kisutch)    | 8.11 mg/L, 96 hours          |
| Persistence and degradability                  | No data is available on the degradability of this product.                                                                                                                              |                                                     |                              |
| Bioaccumulative potential                      |                                                                                                                                                                                         |                                                     |                              |
| Mobility in soil                               | No data available.                                                                                                                                                                      |                                                     |                              |
| Mobility in general                            | Not available.                                                                                                                                                                          |                                                     |                              |
| Other adverse effects                          | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |                                                     |                              |

## 13. Disposal considerations

|                                              |                                                                                                                                                                                                            |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                                        |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                     |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                             |
| <b>Waste from residues / unused products</b> | Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).                                            |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

## 14. Transport information

|                                                         |                                                                                                                                                                                                                                                           |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b>                                          | Canada: TDG Proof of Classification: Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below. |
| <b>Transportation of Dangerous Goods (TDG - Canada)</b> |                                                                                                                                                                                                                                                           |
| <b>Basic shipping requirements:</b>                     |                                                                                                                                                                                                                                                           |
| <b>UN number</b>                                        | UN1133                                                                                                                                                                                                                                                    |
| <b>Proper shipping name</b>                             | ADHESIVES containing flammable liquid                                                                                                                                                                                                                     |
| <b>Technical name</b>                                   | Acetone                                                                                                                                                                                                                                                   |
| <b>Technical name</b>                                   | 2-Butanone                                                                                                                                                                                                                                                |

Hazard class 3  
Packing group II  
Special provisions 5L (Limited Quantity)

TDG



## 15. Regulatory information

**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Canada DSL Challenge Substances: Listed substance**

Hexane (CAS 110-54-3) Listed

**Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number**

2-Butanone (Methyl ethyl ketone) (CAS 78-93-3) 1 TONNES  
Hexane (CAS 110-54-3) 1 TONNES  
Toluene (CAS 108-88-3) 1 TONNES

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

2-Butanone (Methyl ethyl ketone) (CAS 78-93-3) Class B  
Acetone (CAS 67-64-1) Class B  
Toluene (CAS 108-88-3) Class B

**WHMIS status** Hazardous

**International regulations**

**Inventory status**

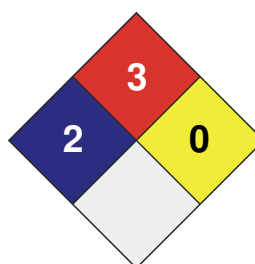
| Country(s) or region | Inventory name                      | On inventory (yes/no)* |
|----------------------|-------------------------------------|------------------------|
| Canada               | Domestic Substances List (DSL)      | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL) | No                     |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other information

| LEGEND   |   |
|----------|---|
| Severe   | 4 |
| Serious  | 3 |
| Moderate | 2 |
| Slight   | 1 |
| Minimal  | 0 |

|                     |   |   |
|---------------------|---|---|
| HEALTH              | * | 2 |
| FLAMMABILITY        |   | 3 |
| PHYSICAL HAZARD     |   | 0 |
| PERSONAL PROTECTION |   | X |



**Issue date** 14-May-2020

**Revision date** 14-May-2020

**Version No.** 02

**Other information** For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

**Prepared by**

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