

# SAFETY DATA SHEET

## Multi Purpose Contact Adhesive

### Section 1. Identification

**Product identifier** : Multi Purpose Contact Adhesive  
**Product code** : PF 100  
**Other means of identification** : Not available.  
**Product type** : Liquid.

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

Not applicable.

**Supplier's details** : Pro Form Products Ltd.  
604 McGeachie Drive  
Milton, Ontario L9T3Y5

**Emergency telephone number (with hours of operation)** : CHEMTREC 24 Hour Emergency Phone(s):  
USA & Canada 800-424-9300  
International +1 703 741-5970

### Section 2. Hazard identification

**Classification of the substance or mixture** : FLAMMABLE LIQUIDS - Category 2  
SKIN IRRITATION - Category 2  
EYE IRRITATION - Category 2A  
SKIN SENSITIZATION - Category 1  
TOXIC TO REPRODUCTION - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

#### GHS label elements

##### **Hazard pictograms**



##### **Signal word**

: Danger

##### **Hazard statements**

: Highly flammable liquid and vapor.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.  
Suspected of damaging fertility or the unborn child.  
May cause damage to organs through prolonged or repeated exposure.

#### Precautionary statements

##### **Prevention**

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing and eye or face protection.

## Section 2. Hazard identification

- Response** : IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. 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 advice or attention.
- Storage** : Store locked up. Store in a well-ventilated place. Keep container tightly closed.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

| Ingredient name                         | Synonyms                                                                                                                                                                                                                                                                                                                                                                             | % (w/w)             | Identifiers      |  |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--|
| acetone                                 | propan-2-one; propanone; 2-Propanone; Ketone propane; Dimethyl ketone; $\beta$ -ketonepropane; acetinum; dimethylketone; methyl ketone; pyroacetic acid; pyroacetic ether; dimethylformaldehyde; Acetone (I); 2-Propanone (I); 2-OXOPROPANE; BETA-KETOPROPANE; 2-Propanon, -e                                                                                                        | $\geq 10 - \leq 30$ | CAS: 67-64-1     |  |
| toluene                                 | Benzene, methyl-; Methylbenzene; Toluol; Phenyl methane; Methyl benzol; toluene, pure; toluene, crude; antisal 1A; benzene, methyl-; CP-25; methane, phenyl-; methylbenzene; methylbenzol; NCI-CO7272; phenyl methane; RCRA waste number U220; toluol; tolu-sol; methacide; 1-methylbenzene; methacide; Totuol; Methacida                                                            | $\geq 10 - \leq 30$ | CAS: 108-88-3    |  |
| Naphtha (petroleum), hydrotreated light | Low boiling point hydrogen treated naphtha; Naphtha, petroleum, hydrotreated light; Hydrotreated light, straight run, petroleum; naphtha (petroleum), hydrotreated light, as light oils; low boiling point hydrogen treated naphtha, as light oils; Hydrotreated light straight run (petroleum); Naphtha (petroleum), hydrotreated light, Low boiling point hydrogen treated naphtha | $\geq 10 - \leq 30$ | CAS: 64742-49-0  |  |
| Heptane, branched, cyclic and linear    | Heptane, Branched, Cyclic, Linear,                                                                                                                                                                                                                                                                                                                                                   | $\geq 7 - \leq 13$  | CAS: 426260-76-6 |  |
| HEPTANE                                 | n-heptane; Heptane (n-Heptane); normal-Heptane; dipropylmethane; Normal heptane; heptane (n)                                                                                                                                                                                                                                                                                         | $\geq 5 - \leq 10$  | CAS: 142-82-5    |  |
| ethyl acetate                           | Acetic acid ethyl ester; Acetic acid, ethyl ester; Acetic ether; Ethyl ethanoate; Ethyl ester of acetic acid;                                                                                                                                                                                                                                                                        | $\geq 1 - \leq 5$   | CAS: 141-78-6    |  |

### Section 3. Composition/information on ingredients

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                   |  |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------|--|
| Rosin | Acetic ester; Blend, consisting of ethyl alcohol, ethyl acetate and aldehydes, higher alcohols and water; blend, consisting of ethyl alcohol, ethyl acetate and water; vinegar naphtha; acetoxymethane; ethyl acetate ester<br><br>colophony; Disproportionated rosin; Gum rosin; resin acids; Rosin core solder; rosin-based solder flux; ROSIN CORE SOLDER PYROLYSIS PRODUCTS; Rosin (wood); Rosin core solder thermal decomposition products; COLOPHONIUM; 3,4,5,6,7,8-Hexahydro-2H-1-benzopyran-2-one | ≥1 - ≤5 | CAS:<br>8050-09-7 |  |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------|--|

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First-aid measures

#### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

## Section 4. First-aid measures

- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : Can cause central nervous system (CNS) depression.

### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

- Specific hazards arising from the chemical** : Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

## Section 5. Fire-fighting measures

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name | Exposure limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| acetone         | <b>CA Saskatchewan Provincial (Canada, 4/2021)</b><br>STEL 15 minutes: 750 ppm.<br>TWA 8 hours: 500 ppm.<br><b>CA British Columbia Provincial (Canada, 8/2025)</b><br>TWA 8 hours: 250 ppm.<br>STEL 15 minutes: 500 ppm.<br><b>CA Ontario Provincial (Canada, 6/2019)</b><br>TWA 8 hours: 250 ppm.<br>STEL 15 minutes: 500 ppm.<br><b>CA Quebec Provincial (Canada, 2/2024)</b><br>TWAEV 8 hours: 250 ppm.<br>STEV 15 minutes: 500 ppm.<br><b>CA Alberta Provincial (Canada, 3/2023)</b><br>OEL 8 hours: 1200 mg/m <sup>3</sup> .<br>OEL 15 minutes: 1800 mg/m <sup>3</sup> .<br>OEL 8 hours: 500 ppm.<br>OEL 15 minutes: 750 ppm. |
| toluene         | <b>CA Saskatchewan Provincial (Canada, 4/2021)</b> Absorbed through skin.<br>STEL 15 minutes: 60 ppm.<br>TWA 8 hours: 50 ppm.<br><b>CA British Columbia Provincial (Canada, 8/2025)</b> Repr.<br>TWA 8 hours: 20 ppm.<br><b>CA Ontario Provincial (Canada, 6/2019)</b><br>TWA 8 hours: 20 ppm.<br><b>CA Quebec Provincial (Canada, 2/2024)</b><br>Ototoxicant.<br>TWAEV 8 hours: 20 ppm.<br><b>CA Alberta Provincial (Canada, 3/2023)</b><br>Absorbed through skin.<br>OEL 8 hours: 50 ppm.<br>OEL 8 hours: 188 mg/m <sup>3</sup> .                                                                                                |
| HEPTANE         | <b>CA Saskatchewan Provincial (Canada, 4/2021)</b><br>STEL 15 minutes: 500 ppm.<br>TWA 8 hours: 400 ppm.<br><b>CA British Columbia Provincial (Canada, 8/2025) [heptane, isomers]</b><br>TWA 8 hours: 400 ppm.<br>STEL 15 minutes: 500 ppm.<br><b>CA Ontario Provincial (Canada, 6/2019) [Heptane, all isomers]</b>                                                                                                                                                                                                                                                                                                                |

## Section 8. Exposure controls/personal protection

ethyl acetate

Rosin

TWA 8 hours: 400 ppm.  
STEL 15 minutes: 500 ppm.  
**CA Quebec Provincial (Canada, 2/2024)**  
**[heptane]**

TWAEV 8 hours: 400 ppm.  
STEV 15 minutes: 500 ppm.  
**CA Alberta Provincial (Canada, 3/2023)**  
**[Heptane]**

OEL 15 minutes: 2050 mg/m<sup>3</sup>.  
OEL 8 hours: 1640 mg/m<sup>3</sup>.  
OEL 8 hours: 400 ppm.  
OEL 15 minutes: 500 ppm.

**CA Saskatchewan Provincial (Canada, 4/2021)**

STEL 15 minutes: 500 ppm.  
TWA 8 hours: 400 ppm.

**CA British Columbia Provincial (Canada, 8/2025)**

TWA 8 hours: 150 ppm.

**CA Ontario Provincial (Canada, 6/2019)**

TWA 8 hours: 400 ppm.

**CA Quebec Provincial (Canada, 2/2024)**

TWAEV 8 hours: 400 ppm.  
TWAEV 8 hours: 1440 mg/m<sup>3</sup>.

**CA Alberta Provincial (Canada, 3/2023)**

OEL 8 hours: 1440 mg/m<sup>3</sup>.  
OEL 8 hours: 400 ppm.

**CA Quebec Provincial (Canada, 2/2024)**

Skin sensitizer , Inhalation sensitizer.

TWAEV 8 hours: 0.001 mg/m<sup>3</sup> (as total acid resins). Form: inhalable aerosol fraction.

**CA British Columbia Provincial (Canada, 8/2025) [resin acids]** Skin sensitizer ,

Inhalation sensitizer.

TWA 8 hours: 0.001 mg/m<sup>3</sup> (as total resin acids). Form: inhalable.

### Biological exposure indices

No exposure indices known.

### Appropriate engineering controls

- : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### Environmental exposure controls

- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

#### Hygiene measures

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## Section 8. Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### Appearance

- Physical state** : Liquid.
- Color** : Amber.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not applicable.
- Melting point/freezing point** : Technically not possible to measure
- Boiling point or initial boiling point and boiling range** : 53 to 78°C (127.4 to 172.4°F)
- Flash point** : Closed cup: -30°C (-22°F)
- Evaporation rate** : Not available.
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Not available.
- Vapor pressure** : 6.8 kPa (50.72 mm Hg)
- Relative vapor density** : Not available.
- Relative density** : Not available.
- Density** : 0.86 g/cm<sup>3</sup>
- Solubility in water** : Not available.
- Miscible with water** : No.
- Partition coefficient: n-octanol/water** : Not applicable.
- Auto-ignition temperature** : 280°C (536°F)
- Decomposition temperature** : Not applicable.

## Section 9. Physical and chemical properties

**Viscosity** : Dynamic (room temperature): Not available.  
Kinematic (room temperature): Not available.  
Kinematic (40°C (104°F)): Not available.

### Particle characteristics

**Median particle size** : Not applicable.

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

**Incompatible materials** : Reactive or incompatible with the following materials:  
oxidizing materials

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

##### Product/ingredient name

acetone

##### Result

##### Rat - Oral - LD50

5800 mg/kg

Toxic effects: Behavioral - Altered sleep time (including change in righting reflex) Behavioral - Tremor

##### Rabbit - Dermal - LD50

2001 mg/kg

##### Rat - Inhalation - LC50 Vapor

21 mg/l [4 hours]

##### Rat - Dermal - TDLo

26.4 mg/kg

Toxic effects: Skin After systemic exposure - Dermatitis, irritative Metabolism (intermediary) - Effect on inflammation or mediation of inflammation

##### Rat - Oral - LD50

5001 mg/kg

##### Rat - Dermal - LD50

5001 mg/kg

##### Rat - Inhalation - LC50 Vapor

49 g/m<sup>3</sup> [4 hours]

##### Rat - Inhalation - LC50 Vapor

103 g/m<sup>3</sup> [4 hours]

##### Rat - Inhalation - LC50 Gas.

48000 ppm [4 hours]

##### Rat - Oral - LD50

5620 mg/kg

##### Rabbit - Dermal - LD50

20001 mg/kg

##### Rat - Inhalation - LC50 Vapor

toluene

HEPTANE

ethyl acetate

## Section 11. Toxicological information

Rosin

22.6 mg/l [4 hours]

**Rat - Oral - LD50**

7600 mg/kg

**Conclusion/Summary [Product]** : Not available.

### Skin corrosion/irritation

**Product/ingredient name**

acetone

#### **Result**

**Rabbit - Skin - Mild irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 500 mg**Rabbit - Skin - Mild irritant**Amount/concentration applied: 395 mg**Pig - Skin - Mild irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 250 uL**Rabbit - Skin - Mild irritant**Amount/concentration applied: 435 mg

toluene

**Conclusion/Summary [Product]** : Not available.

### Serious eye damage/eye irritation

**Product/ingredient name**

acetone

#### **Result**

**Human - Eyes - Mild irritant**Amount/concentration applied: 186300 ppm**Rabbit - Eyes - Mild irritant**Amount/concentration applied: 10 uL**Rabbit - Eyes - Moderate irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 20 mg**Rabbit - Eyes - Severe irritant**Amount/concentration applied: 20 mg**Rabbit - Eyes - Severe irritant**Amount/concentration applied: 0.1 MI

toluene

**Conclusion/Summary [Product]** : Not available.

### Respiratory corrosion/irritation

Not available.

**Conclusion/Summary [Product]** : Not available.

### Respiratory or skin sensitization

Not available.

### **Skin**

**Conclusion/Summary [Product]** : Not available.

### **Respiratory**

**Conclusion/Summary [Product]** : Not available.

### Germ cell mutagenicity

Not available.

## Section 11. Toxicological information

**Conclusion/Summary [Product]** : Not available.

### Carcinogenicity

Not available.

**Conclusion/Summary [Product]** : Not available.

### Classification

| Product/ingredient name | IARC | NTP | ACGIH |
|-------------------------|------|-----|-------|
| acetone                 | -    | -   | A4    |
| toluene                 | 3    | -   | A4    |

### Reproductive toxicity

Not available.

**Conclusion/Summary [Product]** : Not available.

### Specific target organ toxicity (single exposure)

#### **Product/ingredient name**

acetone

toluene

Naphtha (petroleum), hydrotreated light

HEPTANE

ethyl acetate

#### **Result**

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3

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SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3

### Specific target organ toxicity (repeated exposure)

#### **Product/ingredient name**

toluene

#### **Result**

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

### Aspiration hazard

#### **Product/ingredient name**

toluene

Naphtha (petroleum), hydrotreated light

HEPTANE

#### **Result**

ASPIRATION HAZARD - Category 1

ASPIRATION HAZARD - Category 1

ASPIRATION HAZARD - Category 1

### Information on the likely routes of exposure

Not available.

### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

**Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

**Skin contact** : Causes skin irritation. May cause an allergic skin reaction.

**Ingestion** : Can cause central nervous system (CNS) depression.

## Section 11. Toxicological information

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

#### Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**Conclusion/Summary [Product]** : Not available.

- General** : May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : Suspected of damaging fertility or the unborn child.

### Numerical measures of toxicity

#### Acute toxicity estimates

## Section 11. Toxicological information

| Product/ingredient name     | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-----------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| MULTI PURPOSE ADHESIVE AMBR | N/A          | 10531.6        | N/A                      | N/A                        | N/A                                 |
| acetone                     | 5800         | 2001           | N/A                      | 21                         | N/A                                 |
| toluene                     | 5001         | 5001           | N/A                      | 49                         | N/A                                 |
| HEPTANE                     | N/A          | N/A            | 48000                    | 103                        | N/A                                 |
| ethyl acetate               | 5620         | 20001          | N/A                      | 22.6                       | N/A                                 |
| Rosin                       | 7600         | N/A            | N/A                      | N/A                        | N/A                                 |

## Section 12. Ecological information

### Toxicity

#### Product/ingredient name

acetone

#### Result

##### Acute - LC50 - Fresh water

Daphnia - Water flea - *Daphnia magna*

10 mg/l [48 hours]

Effect: Mortality

##### Chronic - NOEC - Marine water

Algae - Green algae - *Ulva pertusa*

4.95 mg/l [96 hours]

Effect: Reproduction

##### Acute - EC50 - Marine water

Algae - Green algae - *Ulva pertusa*

20.565 mg/l [96 hours]

Effect: Reproduction

##### Chronic - NOEC - Fresh water

Crustaceans - Daphnia - *Daphniidae*

0.016 ml/l [21 days]

Effect: Population

##### Acute - LC50 - Fresh water

Fish - Guppy - *Poecilia reticulata*

Age: 4 to 12 months; Size: 2 to 10 cm; Weight: 0.5 to 14 g

5600 ppm [96 hours]

Effect: Mortality

toluene

##### Acute - LC50 - Fresh water

Fish - Coho salmon, silver salmon - *Oncorhynchus kisutch* - Fry

Weight: 1 g

5500 µg/l [96 hours]

Effect: Mortality

##### Acute - EC50 - Fresh water

Daphnia - Water flea - *Daphnia magna* - Juvenile (Fledgling, Hatchling, Weanling)

6000 µg/l [48 hours]

Effect: Intoxication

##### Chronic - NOEC - Fresh water

Daphnia - Water flea - *Daphnia magna*

Age: ≤24 hours

1 mg/l [21 days]

Effect: Mortality

##### Acute - EC50 - Fresh water

Algae - Green algae - *Raphidocelis subcapitata*

12.5 mg/l [72 hours]

Effect: Growth

HEPTANE

##### Acute - LC50 - Fresh water

## Section 12. Ecological information

ethyl acetate

Fish - Mozambique tilapia - *Oreochromis mossambicus*Size: 99 mm; Weight: 10 g375 mg/l [96 hours]Effect: Mortality**Acute - EC50**Daphnia - *Daphnia magna*

1.5 mg/l [48 hours]

**Acute - LC50 - Fresh water**Daphnia - Water flea - *Daphnia cucullata*Age: 11 days

154 mg/l [48 hours]

Effect: Mortality**Acute - LC50 - Fresh water**Fish - Indian catfish - *Heteropneustes fossilis*Size: 14.16 cm; Weight: 25.54 g

212.5 mg/l [96 hours]

Effect: Mortality**Acute - EC50 - Fresh water**Algae - Green algae - *Selenastrum sp.*

2500 mg/l [96 hours]

Effect: Population**Chronic - NOEC - Fresh water**Fish - Fathead minnow - *Pimephales promelas* - EmbryoAge: <24 hours

75.6 mg/l [32 days]

Effect: Mortality**Chronic - NOEC - Fresh water**Daphnia - Water flea - *Daphnia magna*Age: ≤24 hours

2.4 mg/l [21 days]

Effect: Mortality**Conclusion/Summary [Product]** : Not available.

### Persistence and degradability

Not available.

**Conclusion/Summary [Product]** : Not available.

### **Ingredient name**

toluene

### **Conclusion/Summary**

ECHA: toluene is readily biodegraded by both non-adapted and adapted sewage sludge inocula. Three of these studies were also used as part of a weight of evidence that toluene is readily biodegradable in the EU RAR for toluene (2003).

| Product/ingredient name | Aquatic half-life | Photolysis      | Biodegradability |
|-------------------------|-------------------|-----------------|------------------|
| toluene                 | -                 | -               | Readily          |
| HEPTANE                 | -                 | 70%; <28 day(s) | Readily          |
| Rosin                   | -                 | -               | Readily          |

### Bioaccumulative potential

## Section 12. Ecological information

| Product/ingredient name                    | LogP <sub>ow</sub> | BCF        | Potential |
|--------------------------------------------|--------------------|------------|-----------|
| acetone                                    | -0.23              | -          | Low       |
| toluene                                    | 2.73               | 90         | Low       |
| Naphtha (petroleum),<br>hydrotreated light | 2.2 to 5.2         | 10 to 2500 | High      |
| HEPTANE                                    | 4.66               | 552        | High      |
| ethyl acetate                              | 0.68               | 30         | Low       |
| Rosin                                      | 1.9 to 7.7         | -          | High      |

### Mobility in soil

**Soil/Water partition coefficient** : Not available.

### Other adverse effects

No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                                   | TDG Classification                                                                       | DOT Classification                                                                       | IMDG                                                                                      | IATA                                                                                       |
|-----------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>UN number</b>                  | UN1133                                                                                   | UN1133                                                                                   | UN1133                                                                                    | UN1133                                                                                     |
| <b>UN proper shipping name</b>    | ADHESIVES                                                                                | ADHESIVES                                                                                | ADHESIVES                                                                                 | ADHESIVES                                                                                  |
| <b>Transport hazard class(es)</b> | 3<br> | 3<br> | 3<br> | 3<br> |
| <b>Packing group</b>              | II                                                                                       | II                                                                                       | II                                                                                        | II                                                                                         |
| <b>Environmental hazards</b>      | No.                                                                                      | No.                                                                                      | No.                                                                                       | No.                                                                                        |

### Additional information

**TDG Classification** : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).

**DOT Classification** : **Reportable quantity** 5555.6 lbs / 2522.2 kg [774.77 gal / 2932.8 L]. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

## Section 14. Transport information

**IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

### Canadian lists

**Canadian NPRI** : The following components are listed: toluene; heptane (all isomers); ethyl acetate

**CEPA Toxic substances** : None of the components are listed.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

**Canada** : All components are listed or exempted.

**United States** : All components are listed or exempted.

## Section 16. Other information

### History

**Date of printing** : 10/8/2026

**Date of issue/Date of revision** : 10/8/2026

**Date of previous issue** : No previous validation

**Version** : 1

**Key to abbreviations** :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- HPR = Hazardous Products Regulations
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- N/A = Not available
- SGG = Segregation Group
- UN = United Nations

📌 Indicates information that has changed from previously issued version.

### Notice to reader

## Section 16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.