



Pro Form Products Ltd.
604 McGeachie Drive
Milton, Ontario, L9T 3Y5
Canada
905-878-4990

PRODUCT: PF 100 MULTI PURPOSE CONTACT ADHESIVE

SECTION 01: IDENTIFICATION

Initial supplier identifier..... Pro Form Products Ltd.
604 McGeachie Drive
Milton, Ontario L9T3Y5
Tel (905) 878-4990 Fax (905) 878-1189

Product identifier..... PF 100 MULTI PURPOSE CONTACT ADHESIVE

Recommended use and restrictions on .. Adhesive applications.
use

Chemical family..... Mixture.

NFPA rating..... Health: 2 Fire: 3 Reactivity: 0.

HMIS..... H: 2 F: 3 R: 0.

24 hour emergency number..... For transportation emergencies (in Canada) call CANUTEC 1-888-226-8832 (CAN-UTEC);
IN THE UNITED STATES CALL CHEMTREC 1-800-424-9300.
** For medical emergencies contact your local poison control centre **.

SECTION 02: HAZARD IDENTIFICATION



Signal Word..... DANGER.

Hazard Classification..... Flammable Liquid 2. Skin Irritation — Category 2. Eye Irritation — Category 2A. Skin Sensitizer 1. Germ Cell Mutagenicity 1B. Reproductive Toxicity — Category 2. STOT SE 3. Specific Target Organ Toxicity — Repeated Exposure — Category 2. Aspiration Toxicity 1.

Hazard Description..... H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H340 May cause genetic defects. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to the liver and kidneys through prolonged or repeated contact.

Prevention..... P201 Obtain special instructions before use. P202 Do not handle this product until all safety instructions have been read and understood. P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion proof equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P280 Wear protective gloves and eye protection. P264 Wash thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P271 Use only outdoors or in a well ventilated area. P260 Do not breathe mist, vapours, or spray.

Response P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P331 Do NOT induce vomiting. P302 + P352 - If on skin: wash with plenty of water. P321 - For specific treatment see section 4 on this SDS. P332 + P313 - If skin irritation occurs get medical attention or advice. P362 + P364 - Take off contaminated clothing and wash before reuse. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P305 + P351 + P338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing until medical help arrives. P337 + P313 - If eye irritation persists get medical attention. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. P308 + P313 If exposed or concerned, get medical advice/attention.

Storage..... P403 + P235 Store in well ventilated area. Keep cool. P405 Store locked up. P233 Keep container tightly closed.

Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

Note

PRODUCT: PF 100 MULTI PURPOSE CONTACT ADHESIVE**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

| CHEMICAL NAME AND SYNONYMS | CAS # | WT. % |
|---|------------|-------|
| Acetone | 67-64-1 | 15-40 |
| Toluene | 108-88-3 | 15-40 |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | 10-30 |
| n-Heptane | 142-82-5 | 7-13 |
| Phenol, polymer with formaldehyde | 9003-35-4 | 3-7 |
| Ethyl Acetate | 141-78-6 | 3-7 |
| Rosin | 8050-09-7 | 1-5 |
| Chlorinated rubber | 9006-03-5 | 1-5 |

SECTION 04: FIRST-AID MEASURES

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| Eye contact..... | Flush for 15 minutes using plenty of water. If irritation persists seek medical attention. |
| Skin contact..... | Immediately remove all contaminated clothing, flush skin with water for at least 15 minutes. Wash clothing before reuse. If irritation persists, seek medical attention. |
| Inhalation..... | Move victim away from affected area to fresh air. If symptoms persist, get medical attention. |
| Ingestion..... | Do not induce vomiting. Rinse mouth with water. Seek medical assistance as soon as possible. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. Never give anything by mouth to an unconscious person. |
| Additional information..... | In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet. Treat victims symptomatically. |

SECTION 05: FIRE-FIGHTING MEASURES

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| Suitable and unsuitable extinguishing media | Water spray. Carbon dioxide, dry chemical, foam. Dry sand. Do not use water in a jet. |
| Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products | Oxides of carbon (CO, CO ₂). Formaldehyde. Hydrocarbon fumes and smoke. |
| Special protective equipment and precautions for fire-fighters | Wear self-contained breathing apparatus. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. |
| Unusual fire / explosion hazards..... | Vapours may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapour source. |

SECTION 06: ACCIDENTAL RELEASE MEASURES

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| Leak/spill..... | Keep away from heat, sparks and flames. Isolate area and keep unauthorized people away. Do not walk through spilled material. Dike area to prevent spreading. Pick up waste material and place in an appropriate container for disposal. Prevent runoff into drains, sewers, and other waterways. Spilled material and water rinses are classified as chemical waste, and must be disposed of in accordance with current local, provincial, state, and federal regulations. |
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SECTION 07: HANDLING AND STORAGE

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| Precautions for safe handling..... | Containers must be grounded and bonded. Do not use near sources of ignition, open flames or sparks. Do not cut, drill, weld or grind on or near the container. Open containers slowly to allow for any pressure build-up to escape. Keep containers closed when not in use. |
| Conditions for safe storage, including any incompatibilities | Keep away from heat, sparks, and open flames. Empty containers retain hazardous product residues, both liquid and vapor. Store and use in a cool dry environment. Store in flammable goods area. Store away from sunlight. |

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

| INGREDIENTS | TWA | ACGIH TLV STEL | PEL | OSHA PEL STEL | REL | NIOSH |
|-------------|---|-------------------|-----------|------------------|---------|-------|
| Acetone | 250 ppm TLV CA ON: 500ppm (TWA); 750ppm (STEL) | 500 ppm | 1,000 ppm | Not established | 250 ppm | |

PRODUCT: PF 100 MULTI PURPOSE CONTACT ADHESIVE**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

| INGREDIENTS | TWA | ACGIH TLV STEL | PEL | OSHA PEL STEL | REL NIOSH |
|--|---|-------------------|-----------------|--------------------|------------------------|
| Toluene | 20 ppm | Not established | 200 ppm | 500 ppm 10 minutes | 100 ppm / STEL 150 ppm |
| | CA ON: TWA: 20 ppm | | | | |
| Naphtha (petroleum), hydrotreated light | 1640 mg/m3 (heptane) | Not established | Not established | Not established | Not established |
| | 1100 ppm (IDLH) | | | | |
| n-Heptane | 400 ppm | 500 ppm | 500 ppm | Not Established | 85 ppm / STEL 440 ppm |
| | CA ON: 400ppm (TWA), 500ppm (STEL) | | | | |
| Phenol, polymer with formaldehyde | Not established | | Not established | | Not established |
| Ethyl Acetate | 400 ppm | Not established | 400 ppm | Not established | 400 ppm |
| | CA ON: 400 ppm (TWA) | | | | |
| Rosin | Dermal sensitizer | | Not established | | Not established |
| Chlorinated rubber | Not established | | Not established | | Not established |
| Personal Protective Equipment | | | | | |
| Eye/type..... | Liquid chemical goggles. | | | | |
| Respiratory/type..... | For operations where inhalation exposure can occur, a NIOSH-approved respirator may be necessary. | | | | |
| Gloves/ type..... | Wear protective gloves. | | | | |
| Clothing/type..... | Wear coveralls, long sleeves. | | | | |
| Footwear/type..... | Safety shoes. | | | | |
| Other/type..... | Good safety practices. Emergency showers and eye wash stations should be available. | | | | |
| Appropriate engineering controls..... | Explosion-proof exhaust ventilation. | | | | |

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance/Physical state..... | Liquid. |
| Colour..... | Light amber or black. |
| Odour..... | Aromatic odour. |
| Odour threshold (ppm)..... | Not available. |
| pH..... | Not applicable. |
| Evaporation rate..... | 11.6. (for Acetone). |
| Melting / Freezing point (deg C)..... | -7°C. |
| Initial boiling point / boiling range (deg C)..... | 53-78 C. |
| Flash point (deg C), method..... | -30 C. (Tag Closed Cup). |
| Auto ignition temperature (deg C)..... | >203 C. |
| Decomposition temperature..... | Not available. |
| Upper flammable limit (% vol)..... | 13. |
| Lower flammable limit (% vol)..... | 1.0. |
| Vapour pressure (mm Hg)..... | < =. 184 mm Hg @ 20C. |
| Vapour density (air=1)..... | >2. |
| Relative Density (Specific Gravity)..... | 0.86. |
| Solubility..... | Not soluble in water. |
| Partition coefficient — n-octanol/water..... | Not available. |
| Viscosity..... | 7000 – 9000 centipoise @ 20 °C (68 °F). |
| % Volatile by volume..... | Not available. |
| VOC (less water)..... | 4.59 lbs/USG; 550 g/L. |

SECTION 10: STABILITY AND REACTIVITY

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| Reactivity | Avoid heat, sparks and flames. Reacts with strong oxidizers. |
| Chemical stability..... | Stable at normal temperatures and pressures. |
| Conditions to avoid, including static discharge, shock or vibration | Incompatible with strong oxidizers. Direct sunlight. Excessive temperatures. Acids. Bases. |
| Incompatible materials..... | Strong acids. Strong bases. Strong oxidizers. |
| Hazardous decomposition products..... | Will decompose above 150 °C (>300° F) releasing formaldehyde vapors. Oxides of carbon (CO,CO2). Hydrocarbons. Smoke. |

PRODUCT: PF 100 MULTI PURPOSE CONTACT ADHESIVE**SECTION 11: TOXICOLOGICAL INFORMATION**

| INGREDIENTS | LC50 | LD50 |
|---|--|---|
| Acetone | 50,100 mg/m ³ 8 hours, rat | 5,800 mg/kg (rat oral) |
| Toluene | 8000ppm (rat inhalation) 400ppm mouse (inhalation 24hr) | 5,000 mg/kg (rat ora); 12,124 mg/kg (rabbit dermal) |
| Naphtha (petroleum), hydrotreated light | 73680 ppm 4 hours rat | >5000 mg/kg (oral, rat) >3160 mg/mg (dermal, rabbit) |
| n-Heptane | 103 mg/m ³ rat 4 hr | > 5000 mg/kg (oral, rat) |
| Phenol, polymer with formaldehyde | Not availalbe | > 5 g/kg (oral, rat) |
| Ethyl Acetate | 16,000 ppm 6 hours rat | 5,600 mg/kg (rat oral) |
| Rosin | 110 mg/m ³ (inhal., rat) | 7600 mg/kg (oral, rat) |
| Chlorinated rubber | Not availalbe | Not availalbe |
| Route of exposure..... | Eye contact. Skin contact. Skin absorption. Inhalation. Ingestion. | |
| Effects of acute exposure..... | Causes serious eye irritation. Causes skin irritation. May cause drying or flaking of the skin. May cause an allergic skin reaction. May be harmful or fatal if swallowed. Ingestion may cause severe injury to intestinal tract, liver, kidneys, stomach, throat, lungs, mouth and mucous membranes. Inhalation of vapours or mist may cause drowsiness or dizziness. | |
| Effects of chronic exposure..... | Prolonged or repeated contact may cause skin irritation. Overexposure may cause severe respiratory tract irritation. Prolonged overexposure may cause central nervous system depression with narcotic effects (headaches, dizziness, unconsciousness). Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. May cause damage to organs through prolonged or repeated exposure. Suspected of damaging fertility or the unborn child. | |
| Reproductive effects..... | Toluene is fetotoxic in rats and mice at maternally toxic levels. Prolonged and repeated exposure of pregnant animals (>1500 ppm) to Toluene have been reported to cause adverse fetal developmental effects. Acetone has been shown to cause reproductive effects in rats by ingestion and inhalation. | |

SECTION 12: ECOLOGICAL INFORMATION

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| Ecotoxicity..... | H401 Toxic to aquatic life. . H410 Very toxic to aquatic life with long lasting effects. |
| Environmental..... | Do not allow to enter waters, waste water or soil. |
| Persistence and degradability..... | Not available. |

SECTION 13: DISPOSAL CONSIDERATIONS

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| Information on safe handling for disposal and methods of disposal, including any contaminated packaging | Empty containers must be handled with care due to product residue. Dispose of as an industrial waste in a manner acceptable to good waste management practice and in accordance with applicable local, provincial/State or federal regulations. |
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SECTION 14: TRANSPORT INFORMATION

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| TDG Classification..... | UN1133 - ADHESIVES - Class 3, PG II. |
| IATA Classification (Air)..... | UN1133 - ADHESIVES - Class 3 - PG II. |
| IMDG Classification (Marine)..... | UN1133 - ADHESIVES - Class 3 - PG II EmS: F-E S-E. |
| Marine Pollutant..... | Yes. |
| Proof of Classification..... | In accordance with Part 2.2.1 of the Transportation of Dangerous Goods Regulations (July 2, 2014) - we certify that classification of this product is correct. . |

SECTION 15: REGULATORY INFORMATION

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| WHMIS 1988 classification..... | B2. D2A. D2B. |
| CEPA status..... | On Domestic Substances List (DSL). |
| TSCA inventory status..... | All components are listed. |
| SARA Title III | |
| Section 302 - extremely hazardous substances | None. |
| Section 311/312 - hazard categories..... | Immediate health, delayed health, fire hazard. |
| Section 313..... | Toluene. Ethyl acetate. |
| EPA hazardous air pollutants (HAPS) 40CFR63 | Toluene. Ethyl acetate. |
| California Proposition 65..... | *WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. (Toluene). |

PRODUCT: PF 100 MULTI PURPOSE CONTACT ADHESIVE**SECTION 16: OTHER INFORMATION**

Prepared by: REGULATORY AFFAIRS. Trivalent Data Systems Ltd. www.trivalent.com.
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Disclaimer:..... DISCLAIMER: All information appearing herein is based upon data obtained from
experience and recognized technical sources. To the best of our knowledge, it is believed
to be correct as of the date of issue but we make no representations as to its accuracy or
sufficiency and do not suggest or guarantee that any hazards listed herein are the only
ones which exist. The hazard information contained herein is offered solely for the
consideration of the user, subject to his own investigation and verification of compliance
with applicable regulations, including the safe use of the product under every foreseeable
condition. The information relates only to the product designated herein, and does not
relate to its use in combination with any other material or in any other process.

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data sheet