



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

PRODUCT: PF 102 WEATHER STRIP ADHESIVE AMBER

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 102 WEATHER STRIP ADHESIVE AMBER

Recommended use and restrictions on .. Automotive. Coatings.
use

Chemical family..... Rubber/resin.

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. Aspiration Toxicity 1. Skin Irritation — Category 2. Skin Sensitizer — Category 1. Eye Irritation — Category 2A. Specific Target Organ Toxicity — Single Exposure — Category 3. (narcotic effects). Germ Cell Mutagenicity 1. Reproductive Toxicity — Category 2. Specific Target Organ Toxicity — Repeated Exposure — Category 2.

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 organs through prolonged or repeated exposure.

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. P260 Do not breathe mist, vapours, or spray. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves and eye protection.

Response P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P331 Do NOT induce vomiting. 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. P302 + P352 - If on skin: wash with plenty of water. P362 + P364 - Take off contaminated clothing and wash before reuse. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P308 + P313 If exposed or concerned, get medical advice/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.

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

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

Note This product mixture has been classified based on its ingredients.

PRODUCT: PF 102 WEATHER STRIP ADHESIVE AMBER**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
Heptane, branched, cyclic and linear	426260-76-6	10-30
n-Heptane	142-82-5	7-13
Ethyl Acetate	141-78-6	3-7
Phenol, polymer with formaldehyde	9003-35-4	3-7
Rosin	8050-09-7	1-5
Chlorinated rubber	9006-03-5	1-5

*Note: Solvent naphtha (petroleum) contains n-Heptane: CAS# 142-82-5

<<The actual concentration(s) withheld as a trade secret>>

SECTION 04: FIRST-AID MEASURES

Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.
Eye contact.....	Flush for 15 minutes using plenty of water. If irritation persists seek medical attention. Check for and remove any contact lenses, if safe and easy to do so.
Skin contact.....	Immediately remove all contaminated clothing; flush skin with water for at least 15 minutes. If irritation persists, seek medical attention.
Ingestion.....	Do not induce vomiting. Seek medical assistance as soon as possible.
Most important symptoms and effects, whether acute or delayed	Harmful if swallowed, in contact with skin or if inhaled. Causes skin and eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Can cause skin sensitization. Causes damage to organs through prolonged or repeated exposure. May cause genetic defects. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Additional information.....	Treat victims symptomatically. In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable and unsuitable extinguishing media	Dry chemical. CO2. Foam. "Alcohol" 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, CO2). Chloride. Hydrocarbons. Formaldehyde.
Special protective equipment and precautions for fire-fighters	Extremely flammable. 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.....	Extremely flammable. 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

Leak/spill.....	Keep away from heat, sparks and flames. Ventilate area. Isolate area and keep unauthorized people away. Do not walk through spilled material. Prevent runoff into drains, sewers, and other waterways. Dike area to prevent spreading. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Use non-sparking tools and equipment to pick up the spilled material. Cover spill with absorbent material and place in appropriate containers. Spill area can be washed with water. Collect wash water for approved disposal. Absorb with an inert dry material and place in an appropriate waste container. 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

Precautions for safe handling.....	Keep away from heat, sparks, and open flame. Store in a cool well ventilated place away from incompatible materials. Always adopt precautionary measures against build-up of
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PRODUCT: PF 102 WEATHER STRIP ADHESIVE AMBER**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling..... static which may arise from appliances, handling and the containers in which product is packed. 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. Vapours may accumulate in the head space of the drum. Avoid smoking, drinking or eating in use. Employees should wash hands and face before eating or drinking.

Conditions for safe storage, including any incompatibilities Store in a cool, dry and well ventilated area. Use proper grounding procedures when handling containers. Avoid static electricity - ground containers when transferring product. Store away from strong oxidizers. Keep away from acids and alkalis.

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	
Toluene	20 ppm CA ON: TWA: 20 ppm	Not established	200 ppm	500 ppm 10 minutes	100 ppm / STEL 150 ppm	
Naphtha (petroleum), hydrotreated light	1640 mg/m3 (heptane) 1100 ppm (IDLH)	Not established	Not established	Not established	Not established	Not established
Heptane, branched, cyclic and linear	Not established		Not established		Not established	Not established
n-Heptane	400 ppm CA ON: 400ppm (TWA), 500ppm (STEL)	500 ppm	500 ppm	Not Established	85 ppm / STEL 440 ppm	
Ethyl Acetate	400 ppm CA ON: 400 ppm (TWA)	Not established	400 ppm	Not established	400 ppm	
Phenol, polymer with formaldehyde	Not established		Not established		Not established	Not established
Rosin	Dermal sensitizer		Not established		Not established	Not established
Chlorinated rubber	Not established		Not established		Not established	Not established
Respiratory/type.....	A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible in such instances.					
Eye/type.....	Liquid chemical goggles. Chemical safety goggles and full faceshield if a splash hazard exists.					
Gloves/ type.....	Chemical resistant gloves.					
Clothing/type.....	Wear coveralls, long sleeves.					
Footwear/type.....	Safety shoes.					
Other/type.....	Emergency showers and eye wash stations should be available. Employees should wash their hands and face before eating, drinking, or using tobacco products.					
Appropriate engineering controls.....	Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. Local mechanical exhaust ventilation should be used at sources of air contamination, such as open process equipment, or during purging operations, to capture gases and fumes that may be emitted. Standard reference sources regarding industrial ventilation (ie. ACGIH industrial ventilation) should be consulted for guidance about adequate ventilation. Explosion-proof exhaust ventilation.					

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state..... Liquid.

Colour..... Light amber or black.

Odour..... Aromatic odour.

Odour threshold (ppm)..... Not available.

Vapour pressure (mm Hg)..... <=184 mm Hg @ 20 °C (68 °F).

Vapour density (air=1)..... >= 2.0.

pH..... Not applicable.

Relative Density (Specific Gravity)..... 0.86 @ 20 °C.

Melting / Freezing point (deg C)..... Not available.

Solubility..... Not soluble in water.

PRODUCT: PF 102 WEATHER STRIP ADHESIVE AMBER**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Initial boiling point / boiling range (deg C).	53 - 78 °C.
Evaporation rate.....	11.6. (for Acetone).
Flash point (deg C), method.....	< -30 °C (-22 °F) (Tag Closed Cup).
Auto ignition temperature (deg C).....	>203 C.
Upper flammable limit (% vol).....	13.
Lower flammable limit (% vol).....	1.0.
Partition coefficient — n-octanol/water.....	Not available.
VOC (less water).....	550 g/L (4.59 lbs/gal).
Viscosity.....	7000 – 9000 centipoise @ 20 °C (68 °F).

SECTION 10: STABILITY AND REACTIVITY

Chemical stability.....	Stable at normal temperatures and pressures.
Reactivity	Avoid heat, sparks and flames. Reacts with strong oxidizers.
Possibility of hazardous reactions.....	Hazardous polymerization will not occur.
Conditions to avoid, including static	Direct sunlight. Extreme temperatures. Incompatible with strong oxidizers. Acids. Bases.
discharge, shock or vibration	Ignition sources.
Hazardous decomposition products.....	Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons. If air is present and temperatures exceed 150 deg c, small amounts of formaldehyde may be formed through oxidative decomposition.

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)
Heptane, branched, cyclic and linear	Not available	Not available
n-Heptane	103 mg/m ³ rat 4 hr	> 5000 mg/kg (oral, rat)
Ethyl Acetate	16,000 ppm 6 hours rat	5,600 mg/kg (rat oral)
Phenol, polymer with formaldehyde	Not availalbe	> 5 g/kg (oral, rat)
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. Inhalation. Ingestion.	
Effects of acute exposure.....	Causes eye irritation. Can cause tearing, reddening and swelling. May cause temporary corneal damage. Causes skin irritation. Causes reddening, stinging and swelling. Persons previously sensitized can experience an allergic reaction with symptoms of reddening, itching, swelling and rash. Cured product is difficult to remove. Contact with MDI can cause discoloration. May cause drying or flaking of the skin. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal. 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. If swallowed, this product may be aspirated and cause lung damage.	
Effects of chronic exposure.....	Overexposure may cause severe respiratory tract irritation. Prolonged or repeated contact may cause skin 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.	
Mutagenicity.....	May cause genetic defects.	
Carcinogenicity of material.....	IARC has classified Toluene as a Group 3 (Not classifiable as to its carcinogenicity to humans); ACGIH has classified Toluene as a Group A4 (Not classifiable as a human carcinogen).	
Reproductive effects.....	Toluene is known by the State of California to cause adverse fetal developmental effects. Suspected of causing genetic defects.	
Sensitizing capability of material.....	May cause sensitization by skin contact.	
Specific Target Organ Toxicity	May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure .	

PRODUCT: PF 102 WEATHER STRIP ADHESIVE AMBER**SECTION 12: ECOLOGICAL INFORMATION**

Environmental..... Do not allow to enter waters, waste water or soil.
 Persistence and degradability..... Product data not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Information on safe handling for disposal and methods of disposal, including any contaminated packaging . 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. Empty containers must be handled with care due to product residue.

SECTION 14: TRANSPORT INFORMATION

TDG Classification..... UN1133 - ADHESIVES - Class 3, PG II. This product meets the Limited Quantity exemption when packaged in containers less than 5 Litres.
 DOT Classification (Road)..... UN1133 - ADHESIVES - Class 3 - Packing Group II - Ltd Qty (1 Liters/0.3 Gallons). Refer to 49CFR 172.101 for additional non-bulk packaging requirements.
 IATA Classification (Air)..... UN1133 - ADHESIVES - Class 3 - PG II. Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
 IMDG Classification (Marine)..... UN1133 - ADHESIVES - Class 3 - PG II EmS: F-E S-E. Limited Quantity. Check IMDG regulations for limited quantity exemptions.
 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

CEPA status..... On Domestic Substances List (DSL).
 TSCA inventory status..... All components are listed.
 SARA Title III
 Section 302 - extremely hazardous None.
 substances
 Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.
 Section 313..... Toluene. Hexane.
 EPA hazardous air pollutants (HAPS) Toluene. Hexane.
 40CFR63
 California Proposition 65..... *** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause birth defects or other reproductive harm. (Toluene). For more information, go to www.P65Warnings.ca.gov.

SECTION 16: OTHER INFORMATION

Prepared by: REGULATORY AFFAIRS. Trivalent Data Systems Ltd. www.trivalent.com.
 Telephone number:..... (800) 387-7981.
 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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 Date of the latest revision of the safety .. 2018-07-30
 data sheet