



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

**PRODUCT: PF 183 GLAZING & SPOT PUTTY**

### 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 183 GLAZING & SPOT PUTTY

Recommended use and restrictions on .. Automotive.  
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. Specific Target Organ Toxicity — Single Exposure — Category 3. (narcotic effects). Carcinogenicity — Category 2. Reproductive Toxicity — Category 1. Specific Target Organ Toxicity — Repeated Exposure — Category 1.

Hazard Description..... H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H351 This product contains ingredients that are suspected of causing cancer. H360 May damage fertility or the unborn child. H372 Causes 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 the mist, vapours, or spray. P264 Wash thoroughly after handling. P270 Do not eat drink or smoke while using this product. P271 Use only outdoors or in a well ventilated area. 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 . P302 + P352 - If on skin: wash with plenty of water. P362 + P364 - Take off contaminated clothing and wash before reuse. P332 + P313 - If skin irritation occurs get medical attention or advice. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P308 + P313 If exposed or concerned, get medical advice/attention.

Storage..... P235 Keep cool. P403 + P233 Store in a well ventilated area. Keep container tightly closed. 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. 5. % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.

### SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Talc	14807-96-6	35-40
Toluene	108-88-3	15-25
n-Butyl Acetate	123-86-4	6-8

**PRODUCT: PF 183 GLAZING & SPOT PUTTY****SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

&lt;&lt;The actual concentration(s) withheld as a trade secret&gt;&gt; .

**SECTION 04: FIRST-AID MEASURES**

Eye contact.....	In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Consult a physician if irritation continues.
Skin contact.....	Remove all contaminated clothing and immediately wash the exposed areas with copious amounts of water for a minimum of 30 minutes or up to 60 minutes for critical body areas. If irritation persists, seek medical attention.
Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.
Ingestion.....	Do not induce vomiting. Administer 3-4 glasses of milk or water. . If ingestion is suspected, contact physician or poison control center immediately. 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.
Most important symptoms and effects, ..... whether acute or delayed	Causes skin irritation. May cause eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. This product contains ingredients that may cause cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.
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	"Alcohol" foam, CO <sub>2</sub> , dry chemical. 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 <sub>2</sub> ). Other potentially toxic fumes.
Special protective equipment and ..... precautions for fire-fighters	Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Solvent vapours may be heavier than air and may build up and travel along the ground to an ignition source, which may result in a flash back to the source of the vapours. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture.
Unusual fire / explosion hazards.....	Sensitive to static discharge.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Leak/spill.....	Keep away from heat, sparks and flames. Ventilate. Eliminate all sources of ignition. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Avoid all personal contact. Evacuate all non-essential personnel. Contain the spill. Prevent runoff into drains, sewers, and other waterways. 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. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Ground handling equipment. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid breathing vapours or mist. Handle and open container with care. Employees should wash hands and face before eating or drinking.
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks, and open flames. Store away from oxidizing and reducing materials. Store away from sunlight. Keep container closed when not in use.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Talc	2 mg/m <sup>3</sup> CA ON: 2mg/kg (TWA)	Not established	2 mg/m <sup>3</sup> TWA	Not established		Not established

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**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				
n-Butyl Acetate	50 ppm	150 ppm	150 ppm	200 ppm	150 ppm / STEL 200 ppm
	CA ON: 50ppm (TWA), 150ppm (STEL)				
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.				
Eye/type.....	Liquid chemical goggles. Chemical safety goggles and full faceshield if a splash hazard exists.				
Gloves/ type.....	Chemical resistant gloves. Neoprene. Nitrile rubber.				
Clothing/type.....	Wear adequate protective clothes.				
Footwear/type.....	Safety boots per local regulations.				
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.....	Red.
Odour.....	Aromatic.
Odour threshold (ppm).....	Not available.
Vapour pressure (mm Hg).....	78 mmHg @ 20°C.
Vapour density (air=1).....	>1.
pH.....	Not applicable.
Density.....	Not available.
Melting / Freezing point (deg C).....	Not available.
Solubility.....	Partially in water.
Initial boiling point / boiling range (deg C).....	80°C (176°F).
Evaporation rate.....	> 1.0. (butyl acetate = 1).
Flash point (deg C), method.....	16C. (Closed Cup).
Auto ignition temperature (deg C).....	> 400°C.
Upper flammable limit (% vol).....	7.1.
Lower flammable limit (% vol).....	1.0.
Partition coefficient — n-octanol/water.....	Not available.
% Volatile by weight.....	30 - 32%.
VOC (less water).....	4.17 lbs/USG.
Viscosity.....	>100000 cps.

**SECTION 10: STABILITY AND REACTIVITY**

Chemical stability.....	Stable at normal temperatures and pressures.
Reactivity .....	Avoid heat, sparks and flames.
Possibility of hazardous reactions.....	Will not occur under normal temperature and pressure.
Conditions to avoid, including static discharge, shock or vibration .....	Keep away from heat. Incompatible with strong oxidizers.
Hazardous decomposition products.....	Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Talc	Not available	Not available
Toluene	8000ppm rat inhalation 400ppm mouse inhalation 24hr	5,000 mg/kg rat oral; 12,124 mg/kg rabbit dermal

**PRODUCT: PF 183 GLAZING & SPOT PUTTY****SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
n-Butyl Acetate	>33 mg/L vapour, (rat) dust/mist	5.2 mg/L 10760 mg/kg (rat, oral) 14112 mg/kg (rabbit, dermal)
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
Effects of acute exposure.....	Hazardous in contact with skin, by ingestion, and by inhalation. Causes skin irritation. The aromatic hydrocarbon solvents in this product can be irritating to the eyes, nose and throat. In high concentration, they may cause central nervous system depression and narcosis characterized by nausea, lightheadedness and dizziness from overexposure by inhalation. Breathing of high vapour concentrations may cause anesthetic effects and serious health effects.	
Effects of chronic exposure.....	Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Excessive inhalation of vapours can cause respiratory irritation, dizziness, headache, nausea and asphyxiation. Prolonged or repeated skin contact may cause drying or cracking of skin.	
Carcinogenicity of material.....	This product contains non-asbestiform Talc, which is classified as a Group 3 (not classifiable as to carcinogenicity to humans) by IARC . 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 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.	
Specific Target Organ Toxicity .....	Causes damage to organs through prolonged or repeated exposure .	

**SECTION 12: ECOLOGICAL INFORMATION**

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

**SECTION 13: DISPOSAL CONSIDERATIONS**

Information on safe handling for disposal and methods of disposal, including any contaminated packaging	This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations.
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**SECTION 14: TRANSPORT INFORMATION**

TDG Classification.....	UN1993 - FLAMMABLE LIQUID, NOS (Toluene) - Class 3 - Packing Group II - Limited Quantity 1 L.
DOT Classification (Road).....	UN1993 - FLAMMABLE LIQUID, NOS (Toluene) - Class 3 - Packing Group II - Limited Quantity 1 L (0.3 gal). Refer to 49CFR 172.101 for additional non-bulk packaging requirements.
IATA Classification (Air).....	UN1993 - FLAMMABLE LIQUID, NOS (Toluene) - Class 3 - Packing Group II - Y341 1L - 353 5L - 364 60L. Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1993 - FLAMMABLE LIQUID, NOS (Toluene) - Class 3 - Packing Group II - EmS: F-E S-E. Limited Quantity. Check IMDG regulations for limited quantity exemptions.
Marine Pollutant.....	No.
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.....	Not determined.
TSCA inventory status.....	All components are listed.
OSHA.....	This product is considered hazardous under the OSHA Hazard Communication Standard.
SARA Title III	
Section 302 - extremely hazardous substances	None.
Section 311/312 - hazard categories.....	Immediate health, delayed health, fire hazard.
Section 313.....	Toluene.
EPA hazardous air pollutants (HAPS) 40CFR63	Toluene.
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 183 GLAZING & SPOT PUTTY****SECTION 16: OTHER INFORMATION**

Prepared by: ..... REGULATORY AFFAIRS. Trivalent Data Systems Ltd. www.trivalent.com.  
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experience and recognized technical sources. To the best of our knowledge, it is believed  
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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