



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

**PRODUCT: PF 652C SELF ETCHING WASH PRIMER**
**SECTION 01: Chemical product and company identification**

Product name..... PF 652C SELF ETCHING WASH PRIMER  
 Manufactured for..... Pro Form Products Ltd.  
 604 McGeachie Drive  
 Milton, Ontario L9T3Y5  
 Tel (905) 878-4990 Fax (905) 878-1189  
 24 hour emergency number:..... IN CANADA CALL CANUTEC 1-888-226-8832 (CAN-UTEC) - IN THE UNITED STATES  
 CALL CHEMTREC 1-800-424-9300.  
 Material use..... Paints. For industrial use only - keep out of reach of children.  
 Chemical family..... Mixture.  
 Preparation date..... April 11, 2016.  
 Hazard rate  
 NFPA rating..... Health: 1 Fire: 3 Reactivity: 0.  
 HMIS..... H: 2 F: 3 R: 0.

**SECTION 02: Hazards identification**


Signal Word..... DANGER.  
 Hazard Classification..... Flammable Liquid 2. Aspiration Toxicity 1. Skin Irritant 2. Eye Irritant 2. STOT SE 3.  
 Reproductive 2. STOT RE 2.  
 Hazard Description..... H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters  
 airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause  
 drowsiness or dizziness. H361 This product contains ingredients that are suspected of  
 damaging fertility or the unborn child. H373 May cause damage to the liver and kidneys  
 through prolonged or repeated contact.  
 Precautionary Statements..... 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. P261 Avoid breathing mists, vapours and sprays. P264 Wash thoroughly  
 after handling. P271 Use only outdoors or in a well ventilated area. P280 Wear protective  
 gloves and eye protection.  
 Response ..... 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. P303 + P361 + P353 If on skin or  
 in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use  
 safety shower . P304 + P340 - If inhaled remove person to fresh air and keep comfortable  
 for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. 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. P308 + P313 If exposed or concerned, get medical  
 advice/attention. P314 - Get medical advice/attention if you feel unwell. P370 + P378 In  
 case of fire - use dry chemical powder, CO2 or foam to extinguish.  
 Storage..... P403 + P235 Store in well ventilated area. Keep cool. P233 Keep container tightly closed.  
 P405 Store locked up.  
 Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

**SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENTS	CAS #	WT. %
Toluene	108-88-3	5-10

**PRODUCT: PF 652C SELF ETCHING WASH PRIMER****SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS**

Isopropyl Alcohol	67-63-0	3-7
Acetic Acid, Tert-Butyl Ester	540-88-5	1-5
Butyl Alcohol	71-36-3	1-5
Acetone	67-64-1	1-5
Ethyl Alcohol	64-17-5	1-5
Xylene	1330-20-7	0.1-2
Titanium Dioxide	13463-67-7	0.5-1.5
Ethylbenzene	100-41-4	0.1-1
Talc	14807-96-6	0.1-1.0
Methanol	67-56-1	0.1-1.0
Phenol	108-95-2	0.1-1.0

**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. Obtain medical attention.
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.....	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.
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**

Extinguishing media.....	"Alcohol" foam, CO2, dry chemical. During a fire, isocyanate vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion. Use cold water spray to cool exposed containers to minimize risk of rupture .
Hazardous combustion products.....	Oxides of carbon (CO, CO2). Oxides of phosphorous.
Special fire fighting procedures.....	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.

**SECTION 06: Accidental release measures**

Leak/spill.....	Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. 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. Evacuate all non-essential personnel. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. Shovel into suitable unsealed containers, transport to well-ventilated area (outside) and treat with neutralizing solution: mixture of water (80%) with non-ionic surfactant Tergitol TMN-10 (20%); or water (90%), concentrated ammonia (3-8%) and detergent (2%).
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**SECTION 07: Handling and storage**

Handling procedures.....	Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid breathing vapours or mist. Ground handling equipment. Handle and open container with care. Employees should wash hands and face before eating or drinking. Keep away from heat, sparks, and open flame.
Storage needs.....	Keep away from heat, sparks, and open flames. Keep container closed when not in use. Store away from oxidizing and reducing materials. Store away from sunlight.

**PRODUCT: PF 652C SELF ETCHING WASH PRIMER**
**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
Isopropyl Alcohol	200 ppm	400 ppm	400 ppm	500 ppm	400 ppm
Acetic Acid, Tert-Butyl Ester	200 ppm	Not established	200 ppm	Not established	200 ppm
Butyl Alcohol	20 ppm	Not established	100 ppm	Not established	50 ppm skin
Acetone	500 ppm	750 ppm	1,000 ppm	Not established	250 ppm
Ethyl Alcohol	1,000 ppm	Not established	1,000 ppm	Not established	1,000 ppm
Xylene	50 ppm	150 ppm	100 ppm TWA	Not established	Not established
Titanium Dioxide	10 mg/m3	Not established	15 mg/m3	Not established	Not established
Ethylbenzene	100 ppm	125 ppm	100 ppm	Not established	100 ppm / STEL 125 ppm
Talc	2 mg/m3	Not established	2 mg/m3 TWA	3 mg/m3 - QUE	Not established
Methanol	200 ppm	250 ppm skin	200 ppm	Not established	200 ppm / STEL 250 ppm
Phenol	19 mg/m3	Not established	Not established	Not established	Not established
Eye/type.....	Liquid chemical goggles.				
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.				
Gloves/ type.....	Chemical resistant gloves.				
Clothing/type.....	Wear adequate protective clothes.				
Footwear/type.....	Safety boots per local regulations.				
Other/type.....	Emergency showers and eye wash stations should be available.				
Ventilation requirements.....	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. .				

**SECTION 09: Physical and chemical properties**

Physical state.....	Liquid.
Colour.....	Dark.
Odour.....	Solvent odour.
Odour threshold (ppm).....	Not Available.
Vapour pressure (mm Hg).....	Not Available.
Vapour density (air=1).....	>1.
pH.....	Not applicable.
Relative Density (Specific Gravity).....	0.883 - 8.999 lb/usg (1078.35 g/L).
Freezing point (deg C).....	Not Available.
Solubility.....	Slightly soluble in water.
Boiling point (deg C).....	98°C .
Evaporation rate.....	Not Available.
Flash point (deg C), method.....	-18°C.
Auto ignition temperature (deg C).....	Not Available.
Upper flammable limit (% vol).....	12.6.
Lower flammable limit (% vol).....	0.9.
Coefficient of water/oil distribution.....	Not Available.
% Volatile by volume.....	65.
Decomposition temperature.....	Not Available.
VOC.....	4.11 lb/usg - 492 g/l.
Viscosity.....	17 sec Zahn #2.

**SECTION 10: Stability and reactivity**

Stability.....	Stable at normal temperatures and pressures.
Reactivity conditions.....	Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents.
Incompatibility.....	Keep away from heat. Incompatible with strong oxidizers.
Hazardous products of decomposition.....	By fire: Dense black smoke. Oxides of nitrogen. Oxides of carbon (CO,CO2).

**PRODUCT: PF 652C SELF ETCHING WASH PRIMER****SECTION 10: Stability and reactivity**

Hazardous polymerization..... Hazardous polymerization will not occur.

**SECTION 11: Toxicological information**

INGREDIENTS	LC50	LD50
Toluene	8000 ppm rat inhalation 400 ppm mouse inhalation 24hr	5,000 mg/kg rat oral; 12,124 mg/kg rabbit dermal
Isopropyl Alcohol	16,000 ppm 8 hours rat	5,000 mg/kg rat oral 12,800 mg/kg rabbit dermal
Acetic Acid, Tert-Butyl Ester	>2,230 mg/m3 4 hours rat	4,100 mg/kg rat oral >2,000 mg/kg rabbit dermal
Butyl Alcohol	8,000 ppm 4 hours	790 mg/kg rat oral 3,400 mg/kg rabbit dermal
Acetone	50,100 mg/m3 8 hours rat inhalation	5,800 mg/kg rat oral
Ethyl Alcohol	20,000 ppm 10 hours rat	3,400 mg/kg oral mouse
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral
Titanium Dioxide	Not Available	> 10,000 mg/kg rat oral > 10,000 mg/kg rabbit dermal
Ethylbenzene	No data	3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal
Talc	Not available	Not available
Methanol	128.2 mg/L, 4h rat	5,628 mg/kg rat oral 15,800 mg/kg rabbit dermal
Phenol	No data	414 mg/kg rat oral

Route of entry ..... Eye contact. Skin contact. Inhalation.  
 Effects of acute exposure..... Aspiration of liquid into lungs can cause chemical pneumonitis. Can be irritating to eyes and skin. Causes respiratory tract irritation.  
 Effects of chronic exposure..... Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal .  
 Carcinogenicity of material..... Ethyl Alcohol is classified as an A3 known animal carcinogen and is listed by IARC in Group 1. 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). Toluene is known to the State of California to cause cancer and developmental effects. Ethylbenzene is known to the state of California to cause cancer and developmental effects and is listed by IARC as a Group 2B Carcinogen. Xylene has been listed by IARC as a Group 3; not classifiable as to its carcinogenicity to humans. This product contains non-asbestiform Talc, which is classified as a Group 3 (not classifiable as to carcinogenicity to humans) by IARC . Isopropyl Alcohol is listed by IARC as a Group 3 Carcinogen; not classifiable as to its carcinogenicity to humans .  
 Reproductive effects..... Toluene is known by the State of California to cause adverse fetal developmental effects.

**SECTION 12: Ecological information**

Environmental..... Do not allow to enter waters, waste water or soil.  
 Biodegradability..... Not Available.

**SECTION 13: Disposal considerations**

Waste disposal..... Empty containers must be handled with care due to product residue. This material and its container must be disposed of as hazardous waste. Avoid release to the environment.

**SECTION 14: Transport information**

TDG Classification..... UN1263 - Paint Related Material - Class 3 - Packing Group II - This product meets the Limited Quantity exemption when packaged in containers less than 5 liters.  
 IATA Classification (Air)..... UN1263 - Paint Related Material - Class 3 - Packing Group II.  
 IMDG Classification (Marine)..... UN1263 - Paint Related Material - Class 3 - Packing Group II - EmS: F-E S-E.  
 Marine Pollutant..... No.

**PRODUCT: PF 652C SELF ETCHING WASH PRIMER****SECTION 14: Transport information**

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.  
 OSHA..... This product is considered hazardous under the OSHA Hazard Communication Standard.  
 SARA Title III  
 Section 302 - extremely hazardous ..... None.  
 substances  
 Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.  
 Section 313..... Toluene. Isopropyl alcohol. Ethylbenzene. Xylene. Phenol. Butyl alcohol. Methanol.  
 Tert-butyl acetate.  
 EPA hazardous air pollutants (HAPS) ..... Toluene. Phenol. Methanol. Xylene. Ethylbenzene.  
 40CFR63  
 California Proposition 65..... This product contains Toluene known to the State of California to cause (developmental) reproductive toxicity. This product contains methanol known to the state of california to cause (developmental) reproductive toxicity. This product contains Ethylbenzene that is known to the State of California to cause cancer.

**SECTION 16: Other information**

Prepared by: ..... REGULATORY AFFAIRS.  
 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.  
 Preparation date: ..... APR 13/2016