



Pro Form Products Ltd.  
604 McGeachie Drive  
Milton; Ontario; L9T 3Y5  
Canada

**PRODUCT: PF 654 SELF ETCHING PRIMER**
**Section 01: Chemical product and company identification**

Product name..... PF 654 SELF ETCHING 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 (613) 996-6666 - In the United States call Chemtrec (800) 424-9300.  
 Material use..... Paints.  
 Chemical family..... Mixture.  
 Preparation date..... January 31, 2014.  
 Hazard rate  
 NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.  
 HMIS..... H: 2\* F: 4 R: 0.

**Section 02: Hazards identification**


Signal Word..... DANGER.  
 Hazard Classification..... Flammable Aerosol 1. Acute Toxicity 4. Eye Irritant 2. Skin Irritant 2. Skin Sensitizer 1. Aspiration Toxicity 1. Carcinogen 2. STOT RE 2. STOT SE 3.  
 Hazard Description..... H222 Extremely flammable aerosol . H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H320 Causes eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H351 This product contains ingredients that are suspected of causing cancer. H372 Causes damage to the liver and kidneys through prolonged or repeated exposure.  
 Precautionary Statements..... P243 Take precautionary measures against static discharge. P251 Do not pierce or burn container, even after use. P261 Avoid breathing mists, vapours and sprays. 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. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves and eye protection. P202 Do not handle this product until all safety instructions have been read and understood. P284 In case of inadequate ventilation wear respiratory protection. P410 Protect from sunlight. P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P211 Do not spray on an open flame or other ignition sources. P233 Keep container tightly closed. P235 Keep cool. P240 Ground and bond container and receiving equipment. P241 Use explosion proof equipment. P242 Use only non-sparking tools.

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

Hazardous Ingredients	CAS #	Wt. %
ACETONE	67-64-1	30-60
METHYL ISOBUTYL KETONE	108-10-1	10-30
PROPANE	74-98-6	10-30
ISO BUTANE	75-28-5	7-13
TALC	14807-96-6	7-13
XYLENE	1330-20-7	1-5
TOLUENE	108-88-3	1-5
TITANIUM DIOXIDE	13463-67-7	1-5
ETHYL 3-ETHOXYPROPIONATE	763-69-9	1-5
ETHYLBENZENE	100-41-4	0.1-1.0

**PRODUCT: PF 654 SELF ETCHING PRIMER****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.....	Do not induce vomiting. 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. The main hazard from ingestion is aspiration of the liquid into the lungs. 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, CO <sub>2</sub> , dry chemical. In cases of larger fires, water spray should be used.
Hazardous combustion products.....	Oxides of carbon (CO,CO <sub>2</sub> ).
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. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. Keep run-off water from entering sewers and other waterways. Dike for water control. 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. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. 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.

**Section 08: Exposure controls / personal protection**

Protective equipment	
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.....	Local exhaust at points of emission.

**Section 09: Physical and chemical properties**

Physical state.....	Aerosol.
Colour.....	Light. Grey.
Odour.....	Hydrocarbon odour.
Odour threshold (ppm).....	No data.
Vapour pressure (mm Hg).....	55-60 @ 20C.
Vapour density (air=1).....	>1.
pH.....	Not applicable.
Specific gravity.....	0.74 (aerosol); 0.80 (liquid).
Freezing point (deg C).....	No data.
Solubility.....	Not soluble.
Boiling point (deg C).....	-18 - 172.

**PRODUCT: PF 654 SELF ETCHING PRIMER****Section 09: Physical and chemical properties**

Evaporation rate.....	<1.
Flash point (deg C), method.....	<-17.77 (Concentrate). Aerosol flame projection < 100 cm.
Auto ignition temperature (deg C).....	No data.
Upper flammable limit (% vol).....	12.8.
Lower flammable limit (% vol).....	1.0.
Coefficient of water/oil distribution.....	No data.
% volatile by volume.....	90.
VOC.....	2.91 lb/usg - 349 g/l.
Viscosity.....	No data.

**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 carbon (CO,CO <sub>2</sub> ).
Hazardous polymerization.....	Hazardous polymerization will not occur.

**Section 11: Toxicological information**

Route of entry .....	Eye contact. Skin contact. Inhalation.
Effects of acute exposure.....	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. May be harmful if absorbed through the skin. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.
Effects of chronic exposure.....	Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Prolonged or repeated skin contact may cause drying or cracking of skin.
Sensitizing capability of material.....	May cause sensitization by skin contact.
Carcinogenicity of material.....	Ethylbenzene is classified as an A3 known animal carcinogen. Toluene diisocyanate has caused cancer in certain laboratory animal tests. IARC has classified Titanium Dioxide as a group 2B carcinogen.

**Toxicological Data**

Ingredients	LC50-inh, rat	LD50-Oral,rat
ACETONE	76 mg/L 4 hours rat	5,340 mg/kg rat oral 20,000 mg/kg rabbit dermal
METHYL ISOBUTYL KETONE	8.2 - 16.4 mg/L 4 hours rat	2080 mg/kg rat oral >16,000 mg/kg rabbit dermal
PROPANE	>1,464 mg/L 15 minutes rat	No data
ISO BUTANE	52 mg/L 1 hour mouse	No data
TALC	No data	No data
XYLENE	6350 ppm 4 hours rat	>3523 mg/kg rat oral
TOLUENE	400 ppm/24 hr mouse	>2,600 mg/kg rat oral 12,124 mg/kg rabbit dermal
TITANIUM DIOXIDE	No data	No data
ETHYL 3-ETHOXYPROPIONATE	>998 ppm 6 hours	4,309 mg/kg rat oral 4,080 mg/kg rabbit dermal
ETHYLBENZENE	No data	3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal

**Section 12: Ecological information**

Environmental.....	Do not allow to enter waters, waste water or soil.
Biodegradability.....	No data.

**Section 13: Disposal considerations**

Waste disposal.....	This material and its container must be disposed of as hazardous waste. Avoid release to the environment.
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**Section 14: Transport information**

TDG Classification (Road).....	Aerosols - Class 2.1 - UN1950 - This product meets limited quantity exemption when shipped in containers less than 1 Litre.
IATA Classification (Air).....	Aerosols - Class 2.1 - UN1950.
IMDG Classification (Marine).....	Aerosols - Class 2.1 - UN1950 - EmS: F-D, S-U.
Marine Pollutant.....	No.

**PRODUCT: PF 654 SELF ETCHING PRIMER****Section 15: Regulatory information**

WHMIS classification.....	A. B5. D2A. D2B.
CEPA status.....	On Domestic Substances List (DSL).
Section 313.....	Ethylbenzene. Methyl Isobutyl Ketone. Toluene. Xylene.
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.
EPA hazardous air pollutants (HAPS) 40CFR63 .....	Ethylbenzene. Toluene.
TSCA inventory status.....	All components are listed.
California Proposition 65.....	This product contains Ethylbenzene that is known to the State of California to cause cancer. This product contains Toluene known to the State of California to cause (developmental) reproductive toxicity.

**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.