



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

PRODUCT: PF 653C SELF ETCHING PRIMER

SECTION 01: Chemical product and company identification

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

Product name..... PF 653C SELF ETCHING PRIMER

Recommended use and restrictions on use.. Paints.

Chemical family..... Mixture.

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

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

24 hour emergency number:..... IN CANADA CALL CANUTEC 1-888-226-8832 (CAN-UTEC); IN THE UNITED STATES
CALL CHEMTREC 1-800-424-9300. .

SECTION 02: Hazards identification



Signal Word..... DANGER.

Hazard Classification..... Flammable Liquid 2. Acute Toxicity 4. Skin Corrosion 1. Single Target Organ Toxicity - Single Exposure 3. (narcotic effects). Reproductive 1B. STOT SE 2.

Hazard Description..... H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H336 May cause drowsiness or dizziness. H360 May damage fertility or the unborn child. H371 May cause damage to the liver and kidneys.

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. P270 Do not eat drink or smoke while using this product. P260 Do not breathe mist, vapours, or spray. P271 Use only outdoors or in a well ventilated area.

Response P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P301 + P312 If swallowed call a poison control centre. P301 + P330 + P331 If Swallowed: Rinse mouth. Do NOT induce vomiting. P363 - Wash contaminated clothing before reuse. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P310 - Immediately call your local poison control centre. 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. P308 + P311 If exposed or concerned; call a poison center or doctor. P321 - For specific treatment see section 4 on this SDS.

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.

SECTION 03: Composition/Information on Ingredients

HAZARDOUS INGREDIENTS	CAS #	WT. %
Ethyl Alcohol	64-17-5	45-75
Methanol	67-56-1	8-25
Butyl Alcohol	71-36-3	10-15
Phosphoric Acid	7664-38-2	3-7

PRODUCT: PF 653C 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. Get medical attention immediately.
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. Obtain medical attention immediately. Chemical burns must be treated immediately by a physician.
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.
Most important symptoms and effects, whether acute or delayed	Causes severe skin burns and eye damage. Methyl alcohol is moderately irritating to the eyes and mildly irritating to the skin. Its vapor is irritating to the eyes and upper respiratory tract. After repeated or prolonged contact, this product exerts a degreasing action on the skin. It may cause redness, scaling and cracking.
Additional information.....	Treat victims symptomatically. The main hazard from ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. 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 ₂ , dry chemical. In cases of larger fires, water spray should be used. Do not use water in a jet.
Hazardous combustion products.....	Oxides of carbon (CO, CO ₂). Formaldehyde. 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. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. 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. Keep run-off water from entering sewers and other waterways. Dike for water control.

SECTION 06: Accidental release measures

Leak/spill.....	Wear recommended protective equipment. Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. 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%). 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

Handling procedures.....	Keep away from heat, sparks, and open flame. 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. Ground handling equipment. Avoid breathing vapours or mist. Handle and open container with care. Employees should wash hands and face before eating or drinking.
Storage needs.....	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
Ethyl Alcohol	1,000 ppm	Not established	1,000 ppm	Not established	1,000 ppm
Methanol	200 ppm	250 ppm skin	200 ppm	Not established	200 ppm / STEL 250 ppm
Butyl Alcohol	20 ppm	Not established	100 ppm	Not established	50 ppm skin
Phosphoric Acid	1 mg/m ³	3 mg/m ³	1 mg/m ³	3 mg/m ³	1 mg/m ³
Protective equipment					

PRODUCT: PF 653C SELF ETCHING PRIMER**SECTION 08: Exposure controls / personal protection**

Eye/type.....	Chemical safety goggles. Chemical safety goggles and full faceshield if splash hazard exists.
Gloves/ type.....	Chemical resistant gloves. Neoprene. Butyl rubber.
Clothing/type.....	Wear adequate protective clothes.
Footwear/type.....	Safety boots per local regulations.
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits. A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible in such instances.
Other/type.....	Emergency showers and eye wash stations should be available.
Appropriate engineering controls.....	Local exhaust at points of emission. Ventilation system must be designed vapor and explosion proof for handling solvent vapors.

SECTION 09: Physical and chemical properties

Physical state.....	Liquid.
Colour.....	Clear, colourless.
Odour.....	Alcohol odour.
Odour threshold (ppm).....	Not available.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	Not available.
pH.....	Not available.
Relative Density (Specific Gravity).....	6.80 lbs/USG; 0.815.
Melting / Freezing point (deg C).....	No data.
Solubility.....	Soluble.
Initial boiling point / boiling range (deg C).....	> 75 C.
Evaporation rate.....	Not available.
Flash point (deg C), method.....	12.5 C. (estimated).
Auto ignition temperature (deg C).....	No Data.
Upper flammable limit (% vol).....	36.
Lower flammable limit (% vol).....	1.5.
Coefficient of water/oil distribution.....	Not available.
% Volatile by volume.....	97.62.
VOC.....	6.45 lb/usg.
Viscosity.....	12.7 sec Zahn #2.

SECTION 10: Stability and reactivity

Reactivity	Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents.
Chemical stability.....	Stable at normal temperatures and pressures.
Possibility of hazardous reactions.....	Hazardous polymerization will not occur.
Conditions to avoid.....	Keep away from heat. May decompose at high temperatures. Oxidizing and reducing agents. Phosphorus pentoxide. Sulphur trioxide. Strong bases. Flourine. Halogens. Mineral acids.
Hazardous decomposition products.....	By fire:. Oxides of carbon (CO,CO2). Formaldehyde. Oxides of phosphorous. Dense black smoke.

SECTION 11: Toxicological information

INGREDIENTS	LC50	LD50
Ethyl Alcohol	20,000 ppm 10 hours rat	3,400 mg/kg oral mouse
Methanol	128.2 mg/L, 4h rat	5,628 mg/kg rat oral 15,800 mg/kg rabbit dermal
Butyl Alcohol	8,000 ppm 4 hours	790 mg/kg rat oral 3,400 mg/kg rabbit dermal
Phosphoric Acid	1.689 mg/L 1 hour rabbit	1,530 mg/kg rat oral 2,740 mg/kg rabbit dermal
Route of entry	Eye contact. Skin contact. Inhalation.	
Skin contact.....	Can cause chemical burns. Can cause moderate irritation, defatting and dermatitis.	
Skin absorption.....	May be harmful if absorbed through the skin.	
Eye contact.....	Can cause burns. Can cause redness, irritation, tissue destruction.	
Ingestion.....	May be harmful or fatal if swallowed. Swallowing causes inebriation, headache, vomiting, leading to severe illness, blindness, even death. May be fatal or cause blindness if swallowed. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.	

PRODUCT: PF 653C SELF ETCHING PRIMER**SECTION 11: Toxicological information**

Inhalation (acute).....	Excessive inhalation of vapours can cause respiratory irritation, dizziness, headache, vomiting and unconsciousness.
Inhalation (chronic).....	Chronic exposure to organic solvent vapors have been associated with various neurotoxic effects including permanent brain and/or nervous system damage, kidney, liver, blood damage and reproductive effects among women. Symptoms may include nausea, vomiting, abdominal pain, headache, impaired memory, loss of coordination, insomnia and breathing difficulties.
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. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal .
Reproductive effects.....	Methanol is teratogenic and embryotoxic in animals.
Carcinogenicity of material.....	None known.

SECTION 12: Ecological information

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

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.....	UN1263 - PAINT - Class 3 - Packing Group II - This product meets limited quantity exemption when shipped in containers less than 5 litres.
DOT Classification (Road).....	UN1263 - PAINT - Class 3 - Packing Group II - Ltd Qty (5 Liters/1.3 Gallons).
IATA Classification (Air).....	UN1263 - PAINT - Class 3 - Packing Group II. Limited Quantity.
IMDG Classification (Marine).....	UN1263 - Paint - Class 3 - Packing Group II - EmS: F-E S-E. Limited Quantity.
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

WHMIS 1988 classification.....	B2. D1B. E.
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 substances.....	None.
Section 311/312 - hazard categories.....	Immediate health, delayed health, fire hazard.
Section 313.....	Butyl alcohol. Methanol.
EPA hazardous air pollutants (HAPS).....	Methanol.
40CFR63	
California Proposition 65.....	*WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

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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