



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

PRODUCT: PF 730C 1K SELF ETCHING PRIMER (GRAY)

SECTION 01: IDENTIFICATION

Product identifier..... PF 730C 1K SELF ETCHING PRIMER (GRAY)
Other means of identification
Chemical family..... Mixture.
Recommended use and restrictions on .. Paints.
use
Initial supplier identifier..... Pro Form Products Ltd.
604 McGeachie Drive
Milton, Ontario L9T3Y5
Tel (905) 878-4990 Fax (905) 878-1189
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 **.
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NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.
HMIS..... H: 2 F:4 R: 0.

SECTION 02: HAZARD IDENTIFICATION



Hazard Classification..... Flammable Liquid 2. Skin Sensitizer — Category 1. Eye Irritation — Category 2A.
Specific Target Organ Toxicity — Single Exposure — Category 3. (narcotic effects).
(respiratory system). Carcinogenicity — Category 2. Reproductive Toxicity — Category 2.
Specific Target Organ Toxicity — Repeated Exposure — Category 2.
Signal Word..... DANGER.
Hazard Description..... H225 Highly flammable liquid and vapour. H317 May cause an allergic skin reaction. H319
Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause
drowsiness or dizziness. H351 This product contains ingredients that are suspected of
causing cancer. 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. 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 730C 1K SELF ETCHING PRIMER (GRAY)**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
tert-Butyl acetate	540-88-5	15-40
Acetone	67-64-1	15-40
Isobutyl Acetate	110-19-0	7-13
Talc	14807-96-6	3-7
Toluene	108-88-3	3-7
Titanium Dioxide	13463-67-7	1-5
Methyl Ethyl Ketone	78-93-3	1-5
Xylene	1330-20-7	0.1-1
Ethylbenzene	100-41-4	0.1-1
Bisphenol A Epoxy Resin	25068-38-6	0.1-1
Carbon Black	1333-86-4	0.1-1

<<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.
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.
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.
Eye contact.....	In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Check for and remove any contact lenses, if safe and easy to do so. Obtain medical attention.
Most important symptoms and effects, whether acute or delayed	Harmful if swallowed, in contact with skin or if inhaled. May cause mild skin irritation. Can cause skin sensitization. Causes 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. May cause respiratory irritation. This product contains ingredients that are suspected of damaging fertility or the unborn child. This product contains ingredients that may cause cancer. Causes damage to organs through prolonged or repeated exposure.
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, CO2, dry chemical. In cases of larger fires, water spray should be used. Do not use water in a jet.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Extremely flammable. Thermal decomposition products are toxic. May include: Oxides of carbon (CO, CO2). Hydrocarbon fumes and smoke.
Special protective equipment and precautions for fire-fighters	Acetone is a highly flammable liquid. It is easily ignited in the presence of heat, an ignition source such as a naked flame or a spark (including electrostatic discharge). Aqueous solutions of acetone can also ignite. Acetone vapors are heavier than air and can travel a long distance to an ignition source and cause flashback. 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

Personal precautions, protective equipment and emergency procedures	Extremely flammable liquid. No action shall be taken involving any personal risk or without suitable training. Take precautions against static discharge. Equipment should be grounded. Use non-sparking tools and equipment to pick up the spilled material.
Methods and materials for containment and cleaning up	

PRODUCT: PF 730C 1K SELF ETCHING PRIMER (GRAY)**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Leak/spill..... VERY FLAMMABLE. Keep away from heat, sparks and flames. Ventilate. Eliminate all sources of ignition. Evacuate all non-essential personnel. Avoid all personal contact. 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.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling..... Keep away from heat, sparks, and open flame. Ground handling equipment. This material is a static accumulator. 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 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. Keep container closed when not in use. Store away from oxidizing and reducing materials. Store away from sunlight.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
tert-Butyl acetate	200 ppm	Not established	200 ppm	Not established	200 ppm
	CA ON AB BC: 50ppm (TWA), 200ppm (STEL)				
Acetone	250 ppm TLV	500 ppm	1,000 ppm	Not established	250 ppm
	CA ON AB: 500ppm (TWA); 750ppm (STEL)				
Isobutyl Acetate	50 ppm	150 ppm	150 ppm	Not established	150 ppm
Talc	2 mg/m3	Not established	2 mg/m3 TWA	Not established	Not established
	CA ON: 2mg/kg (TWA)				
Toluene	20 ppm	Not established	200 ppm	500 ppm 10 minutes	100 ppm / STEL 150 ppm
	CA ON: TWA: 20 ppm				
Titanium Dioxide	10 mg/m3	Not established	15 mg/m3	Not established	Not established
	CA ON: 10 mg/m3 (TWA)				
Methyl Ethyl Ketone	200 ppm	300 ppm	200 ppm	Not established	200 ppm TWA
	CA ON: 200ppm (TWA), 300ppm (STEL)				
Xylene	50 ppm	150 ppm	100 ppm TWA	Not established	Not established
	CA ON: 100ppm (TWA); 150ppm (STEL)				
Ethylbenzene	100 ppm	125 ppm	100 ppm	Not established	100 ppm / STEL 125 ppm
	CA ON: 20ppm (TWA)				
Bisphenol A Epoxy Resin	Not established	Not established	Not established	Not established	Not established
Carbon Black	3 mg/m3	Not established	3.5 mg/m3	Not established	3.5 mg/m3
	CA ON: 3 mg/m3 (Inhalable) TWA				
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.				
Personal Protective Equipment					
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.				

PRODUCT: PF 730C 1K SELF ETCHING PRIMER (GRAY)**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Gloves/ type..... Wear skin protection equipment. The selection of skin protection equipment depends on the nature of the work to be performed. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. The following gloves are recommended : Butyl rubber. Contact glove supplier for recommendations.

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.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state..... Liquid.

Colour..... Gray.

Odour..... Hydrocarbon odour.

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

pH..... Not available.

Melting / Freezing point (deg C)..... < 0 °C.

Initial boiling point / boiling range (deg C)..... > 56 °C.

Flash point (deg C), method..... -18°C. (estimate; lowest flash point ingredient).

Evaporation rate..... Not available.

Flammability (solids and gases)..... Not applicable. Flammable liquid.

Upper flammable limit (% vol)..... 12.6.

Lower flammable limit (% vol)..... 1.0.

Vapour pressure (mm Hg)..... Not available.

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

Relative Density (Specific Gravity)..... 0.916.

Pounds / USG..... 7.65.

Solubility..... Not available.

Partition coefficient — n-octanol/water..... Not available.

Auto ignition temperature (deg C)..... Not available.

Decomposition temperature..... Not available.

Viscosity..... Not available.

VOC (less exempt volatiles)..... 5.18 lbs/USG; 620.7 g/L.

% Volatile by volume..... 20.59.

SECTION 10: STABILITY AND REACTIVITY

Reactivity Product is stable; hazardous polymerization will not occur. Avoid heat, sparks and flames.

Chemical stability..... Stable at normal temperatures and pressures.

Possibility of hazardous reactions..... Hazardous polymerization will not occur.

Conditions to avoid, including static Keep away from heat. Electrostatic charge.

discharge, shock or vibration

Incompatible materials..... Strong oxidizing agents. Acetone may ignite or react violently with strong oxidizing agents, such as chromic acid, chromium trioxide, chromyl chloride, hot nitric acid, potassium permanganate (in an alkaline medium), or peroxides.

Hazardous decomposition products..... No hazardous decomposition products when stored and handled correctly. By fire: Oxides of carbon (CO,CO2). Dense black smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
tert-Butyl acetate	>2,230 mg/m3 4 hours rat	4,100 mg/kg (rat, oral); >2,000 mg/kg (rabbit, dermal)
Acetone	50,100 mg/m3 8 hours, rat	5,800 mg/kg (rat oral)
Isobutyl Acetate	>13.24 mg/L /6 h rat	15400 mg/kg (rat oral), >17400 mg/kg (rabbit dermal)
Talc	Not available	Not available
Toluene	8000ppm (rat inhalation) 400ppm mouse (inhalation 24hr)	5,000 mg/kg (rat ora); 12,124 mg/kg (rabbit dermal)
Titanium Dioxide	>6.8 mg/L (4 hr)	>10,000 mg/kg (rat, oral) >10,000 mg/kg (rabbit, dermal)
Methyl Ethyl Ketone	>5,000 ppm (6 hours, rat), 11000 ppm (45 minutes, mouse)	3,400 mg/kg (rat, oral), >8000 mg/kg (rabbit, dermal), 670 mg/kg (mouse, oral)

PRODUCT: PF 730C 1K SELF ETCHING PRIMER (GRAY)**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral
Ethylbenzene	No data	3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal
Bisphenol A Epoxy Resin	Not Available	>10000 mg/kg (rat oral)
Carbon Black	Not available	>10,000 mg/kg (oral rat) 3,000 mg/kg (dermal rabbit)
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
Symptoms related to the physical, chemical and toxicological characteristics		
Skin contact.....	Can cause moderate irritation, defatting and dermatitis.	
Skin absorption.....	May be harmful if absorbed through the skin.	
Eye contact.....	Can cause redness, irritation, tissue destruction.	
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.	
Ingestion.....	May be harmful or fatal if swallowed. Aspiration of material into 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. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.	
Carcinogenicity of material.....	IARC has classified Carbon Black as "Group 2B", possibly carcinogenic to humans, based on laboratory animal inhalation studies. IARC has classified Titanium Dioxide as a group 2B carcinogen. Ethylbenzene is classified as an A3 known animal 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. High level exposure to Xylene in some animal studies have been reported to cause health effects on the developing embryo/fetus. The relevance of this to humans is not known. In one study, Methyl Ethyl Ketone has been found to cause embryol toxicity in large concentrations.	
Sensitizing capability of material.....	May cause sensitization by skin contact.	
Specific Target Organ Toxicity	May cause drowsiness or dizziness. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure .	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	Product data not available.
Persistence and degradability.....	Product data not available.
Bioaccumulative potential.....	Product data not available.
Mobility in soil.....	Product data not available.
Other adverse effects.....	Do not allow to enter waters, waste water or soil.

SECTION 13: DISPOSAL CONSIDERATIONS

Information on safe handling for disposal and methods of disposal, including any contaminated packaging . Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations. Empty containers must be handled with care due to product residue.

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 (1 Liter). Refer to 49CRF 172.101 for additional non-bulk packaging requirements.
IATA Classification (Air).....	UN1263 - PAINT - Class 3 - Packing Group II. Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1263 - PAINT - Class 3 - Packing Group II - EmS: F-E S-E. Limited Quantity. Check IMDG regulations for limited quantity exemptions.
Marine Pollutant.....	Potential marine pollutant.
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. .

PRODUCT: PF 730C 1K SELF ETCHING PRIMER (GRAY)**SECTION 15: REGULATORY INFORMATION**

CEPA status..... On Domestic Substances List (DSL).
TSCA inventory status..... All components are either listed or exempt from the TSCA. .
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..... Ethylbenzene. Toluene.
EPA hazardous air pollutants (HAPS) Benzene. Ethylbenzene. Glycol ethers. Toluene. Vinyl acetate. Vinyl chloride. Xylene.
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 cancer . (Benzene). (Carbon black - airborne, unbound particles of respirable size). (Cumene). (Ethyl benzene). (Titanium dioxide - airborne, unbound particles of respirable size). (Vinyl chloride). *** ! 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. (Benzene (D)). (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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data sheet