

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

PRODUCT: PF 490-1 DIRECT TO METAL 2K URETHANE HIGH BUILD PRIMER 3.78L

SECTION 01: IDENTIFICATION

PF 490-1 DIRECT TO METAL 2K URETHANE HIGH BUILD PRIMER 3.78L Product identifier.....

Other means of identification

Acrylic coating.

Chemical family..... Recommended use and restrictions on ...

Paints.

Initial supplier identifier.....

Pro Form Products Ltd. 604 McGeachie Drive

Milton, Ontario L9T3Y5

24 hour emergency number:.....

Tel (905) 878-4990 Fax (905) 878-1189

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 **.

NFPA rating.....

Health: 2 Fire: 4 Reactivity: 0.

H: 2 F: 4 R: 0.

SECTION 02: HAZARD IDENTIFICATION



Hazard Classification	Flammable Liquid 2. Skin Irritation — Category 2. Eye Irritation — Category 2A. Specific Target Organ Toxicity — Single Exposure — Category 3. (narcotic effects). Carcinogenicity — Category 1. Reproductive Toxicity — Category 2.
Signal Word	DANGEŘ.
Hazard Description	
	serious eye irritation. H336 May cause drowsiness or dizziness. H350 This product
	contains ingredients that may cause cancer. H361 Suspected of damaging fertility or the
Prevention	unborn child. R201 Obtain angolal instructions before use R202 Do not bondle this product until all
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. 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	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
	- If skin irritation occurs get medical attention or advice. P305 + P351 + P338 If in eyes
	to do. Continue rinsing until medical help arrives. P337 + P313 - If eye irritation persists get
	medical attention. P304 + P340 - If inhaled remove person to fresh air and keep
04	
Storage	P.235 Neep container tignity closed. P403 + P.235 Store in Well Ventilated area. Keep cool.
Disposal	P501 Dispose all unused, waste or empty containers in accordance with lead regulations
Storage	water. P362 + P364 - Take off contaminated clothing and wash before reuse. P332 + P313 - If skin irritation occurs get medical attention or advice. 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. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P308 + P313 If exposed or concerned, get medical advice/attention. P312 Call a POISON CENTER/doctor if you feel unwell. P233 Keep container tightly closed. P403 + P235 Store in well ventilated area. Keep cool. P405 Store locked up.

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SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS			
CHEMICAL NAME AND SYNONYMS	CAS#	WT. %	
Talc	14807-96-6	10-30	
n-Butyl Acetate	123-86-4	7-13	
tert-Butyl acetate	540-88-5	7-13	
4-Chlorobenzotrifluoride	98-56-6	5-10	
Titanium Dioxide	13463-67-7	3-7	
Xylene	1330-20-7	1-5	
Distillates (Petroleum) Hydrotreated Light	64742-47-8	0.5-1.5	
Ethylbenzene	100-41-4	0.1-1.5	
Crystalline silica	14808-60-7	0.1-1	
<< The actual concentration(s) withheld as a tra	ade 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	If ingestion is suspected, contact physician or poison control center immediately. Do not induce vomiting. 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	Immediately remove all contaminated clothing, flush skin with water for at least 15 minutes. Wash clothing before reuse. 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. Consult a physician if irritations continues. Check for and remove any contact lenses, if safe and easy to do so.
Most important symptoms and effects, whether acute or delayed	Causes skin irritation. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Harmful by inhalation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. This product contains ingredients that may cause cancer. Suspected of damaging fertility or the unborn child.
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, CO2, dry chemical. Do not use water in a jet.

Specific hazards arising from thehazardous product, such as the nature of any hazardous combustion products
Special protective equipment andprecautions for fire-fighters

Toxic vapours may be evolved upon exposure to heat or open flame. Take precautionary measures against electrostatic loading. Thermal decomposition products are toxic. May include:. Oxides of carbon (CO, CO2).

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

Personal precautions, protective equipment and emergency procedures No action shall be taken involving any personal risk or without suitable training. Isolate area and keep unauthorized people away. Do not walk through spilled material. Wear recommended protective equipment. Ventilate. Open windows and doors to allow air circulation. Dike area to prevent spreading. The use of absorbent socks or spill pillows may be required. Stop leak if safe to do so. Prevent runoff into drains, sewers, and other waterways. Take precautions against static discharge. Equipment should be grounded.

Methods and materials for containment and cleaning up Leak/spill.....

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. Use non-sparking tools and equipment to pick up the spilled material. 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	CGIH TLV STEL	OSI PEL	HA PEL STEL	NIOSH REL
Talc	2 mg/m3	Not established	2 mg/m3 TWA	3 mg/m3 - QUE	Not established
n-Butyl Acetate	50 ppm	150 ppm	150 ppm	200 ppm	150 ppm / STEL 200 ppm
	CA ON: 50ppm (T	WA), 150ppm (STEL)			
tert-Butyl acetate	200 ppm	Not established	200 ppm	Not established	200 ppm
	CA ON: 50ppm (T	WA), 150ppm (STEL)			
4-Chlorobenzotrifluoride	Not established	Not established	Not established	Not established	Not established
Titanium Dioxide	10 mg/m3	Not established	15 mg/m3	Not established	Not established
Xylene	50 ppm	150 ppm	100 ppm TWA	Not established	Not established
Distillates (Petroleum) Hydrotreated Light	1200 mg/m3	197 ppm	Not established	Not established	Not established
Ethylbenzene	100 ppm	125 ppm	100 ppm	Not established	100 ppm / STEL 125 ppm
Crystalline silica	Not Established	Not Established	Not Established	Not Established	Not Established
	CA ON: 0.10 mg/r	m3 (Resp) TWA			
Appropriate engineering Personal Protective Equ		Provide natural or mech exposure limits. Local m contamination, such as c gases and fumes that m ventilation (ie. ACGIH in adequate ventilation. Ex	echanical exhaust ver open process equipme ay be emitted. Standa dustrial ventilation) sh	ntilation should be used ent, or during purging o ard reference sources re rould be consulted for g	I at sources of air perations, to capture egarding industrial
Eye/type		Chemical safety goggles exists.	. Chemical safety go	ggles and full faceshield	d if splash hazard
Gloves/ type		Wear skin protection equathe nature of the work to substances, the protection glove supplier for recommendations.	be performed. In the on time of the gloves of	case of mixtures, cons	isting of several
Respiratory/type		Local exhaust ventilation when contaminant levels	is recommended. We		perly fitted respirator
Clothing/type Footwear/type Other/type		Wear adequate protective clothes. Safety boots per local regulations.			

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state	Liquid.
Colour	Gray.
Odour	Solvent odour.
Odour threshold (ppm)	Not available.
pH	Not available.
Melting / Freezing point (deg C)	Not available.
Initial boiling point / boiling range (deg C).	Not available.
Flash point (deg C), method	4 C. (estimate; lowest flash point ingredient).
Evaporation rate	Not available.
Flammability (solids and gases)	Not applicable. Flammable liquid.
Upper flammable limit (% vol)	11.6.
Lower flammable limit (% vol)	

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Vapour pressure (mm Hg)..... Not available. Vapour density (air=1)..... Relative Density (Specific Gravity)..... 1.437. 12.00. Pounds / USG..... Solubility..... Negligible. Partition coefficient — n-octanol/water..... Not available. Auto ignition temperature (deg C)..... > 200°C. Not available. Decomposition temperature..... 1550 cPs. #4 @ 20 RPM. (Brookfield). Viscosity..... % Volatile by volume..... 24.66. 2.58 lbs/USG; 309.2 g/L. 1.80 lbs/USG; 215.7 g/L. VOC less exempt volatiles..... VOC less water.....

SECTION 10: STABILITY AND REACTIVITY

Product is stable; hazardous polymerization will not occur. Stable at normal temperatures and pressures. Reactivity Chemical stability..... Possibility of hazardous reactions..... Will not occur under normal temperature and pressure. Conditions to avoid, including static Avoid heat, spark, open flames. Electrostatic charge. discharge, shock or vibration Strong acids. Strong bases. Strong oxidizers. Reducing agents.

INGREDIENTS

No hazardous decomposition products when stored and handled correctly. Hazardous decomposition products depend on temperature, air supply, and the presence of other

I D50

materials. See hazardous combustion products section 5.

L C50

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIEN 15		LC50	LD50	
Talc		Not available	Not available	
n-Butyl Acetate		390 ppm (4 hr.)	10768 mg/kg (rat oral) 17600 mg/kg (rabbit dermal)	
tert-Butyl acetate		>2,230 mg/m3 4 hours rat	4,100 mg/kg (rat, oral); >2,000 mg/kg (rabbit, dermal)	
4-Chlorobenzotrifluoride		4479 ppm	>6,800 mg/kg (rat oral); >2,700 mg/kg (rabbit dermal)	
Titanium Dioxide		>6.8 mg/L (4 hr)	> 10,000 mg/kg (rat, oral) > 10,000 mg/kg (rabbit, dermal)	
Xylene		6350 ppm 4 hours rat	>3523 mg/kg rat oral	
Distillates (Petroleum) Hydrotreated Light		>5.2 mg/L (4 hr.)	>5000 mg/kg (oral, rat) >2000 mg/kg (dermal, rabbit)	
Ethylbenzene		No data	3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal	
Crystalline silica		Not Available	Not Available	
Route of exposure	mical			
Effects of chronic exposure	Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Prolonged or repeated breathing of talc may result in progressive and permanent lung disease (fibrosis) which may cause death from respiratory and/or heart failure. Symptoms include coughing and difficult breathing which becomes worse with physical activity. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. 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.			

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SECTION 11: TOXICOLOGICAL INFORMATION

IARC has classified Titanium Dioxide as a group 2B carcinogen. Quartz (Crystalline Silica) Carcinogenicity of material.....

is listed by IARC in Group 1 as a carcinogen. Xylene has been listed by IARC as a Group 3; not classifiable as to its carcinogenicity to humans. Ethylbenzene is classified as an A3

known animal carcinogen.

High level exposure to Xylene in some animal studies have been reported to cause health Reproductive effects.....

effects on the developing embryo/fetus. The relevance of this to humans is not known.

Mutagenicity..... The data does not allow for an adequate assessment of the mutagenic effect. Sensitizing capability of material.....

Ethylbenzene is a possible skin sensitizer.

Specific Target Organ Toxicity May cause drowsiness or dizziness.

SECTION 12: ECOLOGICAL INFORMATION

Product data not available. Ecotoxicity..... 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.
UN1263 - PAINT - Class 3 - Packing Group II. Limited Quantity. Do not ship by air IATA Classification (Air).....

without checking appropriate IATA regulations.
UN1263 - PAINT - Class 3 - Packing Group II - EmS: F-E S-E. Limited Quantity. Check IMDG Classification (Marine).....

IMDG regulations for limited quantity exemptions.

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. .

SECTION 15: REGULATORY INFORMATION

CEPA status..... On Domestic Substances List (DSL).

All components are listed. TSCA inventory status.....

OSHA..... This product is considered hazardous under the OSHA Hazard Communication Standard.

SARA Title III

None.

Section 302 - extremely hazardous

substances Section 311/312 - hazard categories...... Immediate health, delayed health, fire hazard.

Section 313..... Xylene. Ethylbenzene.

EPA hazardous air pollutants (HAPS) Xylene. Ethylbenzene.

40CFR63

***! WARNING: This product can expose you to chemicals including [see below], which California Proposition 65..... are known to the State of California to cause cancer. (Carbon black - airborne, unbound particles of respirable size). (Silica, crystalline (airborne particles of respirable size). (Ethyl

benzene). (Titanium dioxide - airborne, unbound particles of respirable size).

information, go to www.P65Warnings.ca.gov.

SECTION 16: OTHER INFORMATION

REGULATORY AFFAIRS. Trivalent Data Systems Ltd. www.trivalent.com. Prepared by: Telephone number:..... (800) 387-7981.

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SECTION 16: OTHER INFORMATION

Date of the latest revision of the safety .. 2020-12-16 data sheet

