

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

PRODUCT: PF 493 DIRECT TO METAL 2K URETHANE HIGH BUILD PRIMER **BLACK**

SECTION 01: IDENTIFICATION

PF 493 DIRECT TO METAL 2K URETHANE HIGH BUILD PRIMER BLACK Product identifier.....

Other means of identification

Mixture.

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

Primer. Automotive.

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 **.

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. H335 May cause respiratory irritation. H336 May cause drowsiness or
	dizziness. H350 This product contains ingredients that may cause cancer. H361 Suspected of damaging fertility or the unborn child.
Prevention	P201 Obtain special instructions before use. P202 Do not handle this product until all
1 Teverition	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
	water. P332 + P313 - If skin irritation occurs get medical attention or advice. P362 + P364 - Take off contaminated clothing and wash before reuse. 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.
Storage	P233 Keep container tightly closed. P403 + P235 Store in well ventilated area. Keep cool.
	P405 Store locked up.
Disposal	
Note	This product mixture has been classified based on its ingredients.

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SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS			
CHEMICAL NAME AND SYNONYMS	CAS#	WT. %	
Talc	14807-96-6	10-30	
Methyl Acetate	79-20-9	7-13	
4-Chlorobenzotrifluoride	98-56-6	5-10	
n-Butyl Acetate	123-86-4	5-10	
Carbon Black	1333-86-4	1-5	
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	0.1-1.5	
< <the a="" actual="" as="" concentration(s)="" td="" tra<="" withheld=""><td>ade secret>></td><td></td><td></td></the>	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. If spontaneous vomiting occurs have victim lean forward with head down to prevent
Skin contact	aspiration of fluid into the lungs. Never give anything by mouth to an unconscious person. 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. 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. Causes skin and eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct
whether acute of delayed	contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may
	cause headache, fatigue, dizziness and nausea. This product contains ingredients that
	may cause cancer. This product contains ingredients that are 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 a	ınd unsuitab	le 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

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. Thermal decomposition products are toxic. May include:. Oxides of carbon (CO, CO2). Hydrogen chloride. hydrogen flouride.

Special protective equipment andprecautions for fire-fighters

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.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protectiveequipment 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.....

FLAMMABLE. Ventilate. Eliminate all sources of ignition. Use non-sparking tools and equipment to pick up the spilled material. Avoid all personal contact. Evacuate all non-essential personnel. 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.



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SECTION 07: HANDLING AND STORAGE

Keep away from heat, sparks, and open flame. Always adopt precautionary measures Precautions for safe handling.....

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. Employee education and training are important.

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

	1		1 000	IA DEI	NIIOSIII
INGREDIENTS	TWA	GIH TLV STEL	PEL	HA PEL STEL	NIOSH REL
Talc	2 mg/m3	Not established	2 mg/m3 TWA	3 mg/m3 - QUE	Not established
Methyl Acetate	200 ppm	250 ppm	200 ppm	250 ppm in some States	200 ppm
	CA ON: 200ppm (TWA), 250ppm (STEL)			
4-Chlorobenzotrifluoride	Not established	Not established	Not established	Not established	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)			
Carbon Black	3.5 mg/m3	Not established	3.5 mg/m3	Not established	3.5 mg/m3
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	0.025 mg/m3	Not established	0.1 mg/m3 TWA	Not established	0.05 mg/m3
	CA ON: 0.025 mg	/m3 Respirable			
Appropriate engineering		Provide natural or mech exposure limits. Local m contamination, such as of gases and fumes that may 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 rd reference sources re ould be consulted for g	l at sources of air perations, to capture egarding industrial
Personal Protective Equal Respiratory/type		Local exhaust ventilation when contaminant levels	exceed the recomme	ended exposure limits. I	perly fitted respirator NIOSH/MSHA
Eye/type		approved respirator reco Chemical safety goggles exists.	mmended if mist expo . Chemical safety go	osure limit exceeded. ggles and full faceshiel	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 mendations.	case of mixtures, cons	isting of several
Clothing/type Footwear/type Other/type		Wear adequate protective Safety boots per local real Emergency showers and their hands and face before the safety shows the s	gulations. I eye wash stations sh	nould be available. Em r using tobacco produc	ployees should wash ts.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state	Liquid.
Colour	Black.
Odour	Hydrocarbon odour.
Odour threshold (ppm)	Not available.
pH	Not applicable.
Melting / Freezing point (deg C)	Not available.
Initial boiling point / boiling range (deg C).	
Flash point (deg C), method	
Evaporation rate	
Upper flammable limit (% vol)	11.6.



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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Lower flammable limit (% vol)..... 0.9. Vapour pressure (mm Hg)..... Not available. Vapour density (air=1)..... >1. Relative Density (Specific Gravity)..... 1.465 Pounds / USG..... 12.23. Negligible. Solubility..... Partition coefficient — n-octanol/water..... Not available. Auto ignition temperature (deg C)..... Not available. 1400 cPs. #4 @ 20 RPM. (Brookfield). Viscosity..... % Volatile by volume..... 24.83. 2.46 lbs/USG; 48.8 g/L. VOC less exempt volatiles..... 1.81 lbs/USG; 216.9 g/L. VOC less water.....

SECTION 10: STABILITY AND REACTIVITY

Reactivity Chemical stability..... Possibility of hazardous reactions..... Conditions to avoid, including static discharge, shock or vibration Incompatible materails..... Hazardous decomposition products......

Product is stable; hazardous polymerization will not occur. Stable at normal temperatures and pressures. Will not occur under normal temperature and pressure. Avoid heat, spark, open flames. Electrostatic charge.

Strong acids. Strong bases. Strong oxidizers. Reducing agents. No hazardous decomposition products when stored and handled correctly. Thermal decomposition may produce acrid smoke and irritating fumes. See hazardous combustion products section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS		LC50	LD50		
Talc		Not available	Not available		
Methyl Acetate		>49 mg/L (4 hr) rat	6482 mg/kg (oral rat); >2,000 mg/kg (dermal rat)		
4-Chlorobenzotrifluoride		4479 ppm	>6,800 mg/kg (rat oral); >2,700 mg/kg (rabbit dermal)		
n-Butyl Acetate		390 ppm (4 hr.)	10768 mg/kg (rat oral) 17600 mg/kg (rabbit dermal)		
Carbon Black		Not available	>10,000 mg/kg oral rat 3,000 mg/kg dermal rabbit		
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	>22,500 mg/kg oral rat		
Route of exposureSymptoms related to the physical, chemica and toxicological characteristics Effects of acute exposure	cal				
Inhalation (acute)					
Effects of chronic exposure					
Inhalation (chronic)					

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SECTION 11: TOXICOLOGICAL INFORMATION

Quartz (Crystalline Silica) is listed by IARC in Group 1 as a carcinogen. Ethylbenzene is Carcinogenicity of material.....

known to the state of California to cause cancer and developmental effects and is listed by IARC as a Group 2B Carcinogen. IARC has classified Carbon Black as "Group 2B", possibly carcinogenic to humans, based on laboratory animal inhalation studies.

Xylene has been classified by The Commission on Health and Safety as causing Reproductive effects.....

reproductive 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.

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

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

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..... Ethylbenzene. Xylene.

EPA hazardous air pollutants (HAPS) Ethylbenzene. Toluene. 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 birth defects or other reproductive harm. (Toluene). ***! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer. (Carbon black airborne, unbound particles of respirable size). (Ethyl benzene). (Silica, crystalline (airborne particles of respirable size). For more 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.

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



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SECTION 16: OTHER INFORMATION

Disclaimer:....

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.

Date of the latest revision of the safety ... data sheet

. 2020-12-16

