



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

PRODUCT: PF 485 HYDRO HIGH BUILD ACRYLIC PRIMER/SURFACER BLACK US QT

SECTION 01: IDENTIFICATION

Product identifier..... PF 485 HYDRO HIGH BUILD ACRYLIC PRIMER/SURFACER BLACK US QT
 Other means of identification
 Chemical family..... Mixture.
 Recommended use and restrictions on .. Coatings.
 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: 1 Fire: 1 Reactivity: 0.
 HMIS..... H: 1 F: 1 R: 0.

SECTION 02: HAZARD IDENTIFICATION



Hazard Classification..... Flammable Liquid 4. Carcinogenicity — Category 2. Specific Target Organ Toxicity — Repeated Exposure — Category 1.
 Signal Word..... DANGER.
 Hazard Description..... H227 Combustible liquid. H351 This product contains ingredients that are suspected of causing cancer. H372 Causes 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. P260 Do not breathe mist, vapours, or spray. P264 Wash thoroughly after handling. P270 Do not eat drink or smoke while using this product. P280 Wear protective gloves and eye protection.
 Response P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P308 + P313 If exposed or concerned, get medical advice/attention. P314 - Get medical advice/attention if you feel unwell.
 Storage..... P403 Store in a well ventilated area. 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.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Talc	14807-96-6	10-30
Carbon Black	1333-86-4	1-5
Ammonium hydroxide	1336-21-6	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..... Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. Get medical attention.

PRODUCT: PF 485 HYDRO HIGH BUILD ACRYLIC PRIMER/SURFACER BLACK US QT

SECTION 04: FIRST-AID MEASURES

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. Check for and remove any contact lenses, if safe and easy to do so. Consult a physician if irritation continues.
 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 Foam, "alcohol" foam, CO2, dry chemical, water fog. 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 By fire: protect against potentially toxic and irritating fumes. Oxides of carbon (CO, CO2).
 Special protective equipment and precautions 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. 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 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.
 Methods and materials for containment and cleaning up
 Leak/spill..... Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. Cover spill with absorbent material and place in appropriate containers. Spill area can be washed with water. Collect wash water for approved disposal. 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. Prevent runoff into drains, sewers, and other waterways.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling..... Avoid skin and eye contact. Avoid breathing vapours or mist. Keep away from heat, sparks, and open flame. 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. Handle and open container with care. Keep container closed when not in use. Employees should wash hands and face before eating or drinking.
 Conditions for safe storage, including any incompatibilities Keep container closed when not in use. Store in a cool, dry and well ventilated area. Protect from freezing. Store away from oxidizing and reducing materials.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Talc	2 mg/m3	Not established	2 mg/m3 TWA	3 mg/m3 - QUE	Not established	Not established
Carbon Black	3.5 mg/m3	Not established	3.5 mg/m3	Not established	3.5 mg/m3	3.5 mg/m3
Ammonium hydroxide	25 ppm TLV	35 ppm	50 ppm	Not Established	Not Established	Not Established
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.					
Personal Protective Equipment Eye/type.....	Chemical safety goggles.					

**PRODUCT: PF 485 HYDRO HIGH BUILD ACRYLIC PRIMER/SURFACER BLACK US
QT****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.
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits. Use NIOSH approved respirator or equipment. Do not exceed the use limits of the respirator.
Clothing/type.....	Wear adequate protective clothes.
Footwear/type.....	Safety boots per local regulations.
Other/type.....	Eye wash facility and emergency shower should be in close proximity. 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.....	Black.
Odour.....	Characteristic 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.....	75°C. For: Dipropylene Glycol Monomethyl Ether.
Evaporation rate.....	Not available.
Flammability (solids and gases).....	Not applicable. Combustible liquid.
Upper flammable limit (% vol).....	14.
Lower flammable limit (% vol).....	1.1.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	Not available.
Relative Density (Specific Gravity).....	1.155.
Pounds / USG.....	9.64.
Solubility.....	Not available.
Partition coefficient — n-octanol/water.....	Not available.
Auto ignition temperature (deg C).....	Not available.
Decomposition temperature.....	Not available.
Viscosity.....	1500 cPs. #4 @ 20 RPM. (Brookfield).
% Volatile by volume.....	41.73.
VOC less water.....	0.32 lbs/USG; 38.3 g/L.
VOC less exempt volatiles.....	0.4 lbs/USG; 47.9 g/L.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	This is a stable material.
Chemical stability.....	Stable at normal temperatures and pressures.
Possibility of hazardous reactions.....	Hazardous polymerization will not occur.
Conditions to avoid, including static	Heating or adding sodium hydroxide to ammonia will volatilize ammonia gas. Keep away from heat.
discharge, shock or vibration	Strong acids. Strong bases. Strong oxidizers.
Incompatible materials.....	No hazardous decomposition products when stored and handled correctly. Hazardous decomposition products depend on temperature, air supply, and the presence of other materials.
Hazardous decomposition products.....	

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Talc	Not available	Not available
Carbon Black	Not available	>10,000 mg/kg oral rat 3,000 mg/kg dermal rabbit
Ammonium hydroxide	2115 ppm Inhalation	350 mg/kg oral rat
Route of exposure.....	Inhalation. Skin contact. Eye contact.	
Symptoms related to the physical, chemical and toxicological characteristics		
Effects of acute exposure.....	May be irritating to the eyes and skin. Excessive inhalation of Dipropylene glycol monomethyl ether may cause irritation to the upper respiratory tract and anaesthetic or narcotic effects. Talc can be absorbed into the lungs and the digestive tract, and adversely affect lung function.	

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QT**

SECTION 11: TOXICOLOGICAL INFORMATION

Effects of chronic exposure..... Prolonged or repeated contact may cause eye and skin irritation. Prolonged skin contact with very large amounts of Dipropylene glycol monomethyl ether may cause drowsiness. Talc has been shown to cause fibrosis of the lungs. 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. .

Carcinogenicity of material..... This product contains non-asbestiform Talc, which is classified as a Group 3 (not classifiable as to carcinogenicity to humans) by IARC . IARC has classified Carbon Black as "Group 2B", possibly carcinogenic to humans, based on laboratory animal inhalation studies.

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

Reproductive effects..... No data on reproductive effects were found in the literature sources consulted.

Sensitizing capability of material..... Prolonged or repeated exposure may result in skin sensitization.

Specific Target Organ Toxicity Causes damage to organs through prolonged or repeated exposure .

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... Not available.

Persistence and degradability..... Not available.

Bioaccumulative potential..... Not available.

Mobility in soil..... 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 as an industrial waste in a manner acceptable to good waste management practice and in accordance with applicable local, provincial/State or federal regulations.

SECTION 14: TRANSPORT INFORMATION

TDG Classification..... Not regulated.

IATA Classification (Air)..... Not regulated.

IMDG Classification (Marine)..... Not regulated.

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

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 Ammonia.
substances

Section 311/312 - hazard categories..... Fire hazard. Delayed Health.

Section 313..... Ammonium hydroxide. Glycol ethers.

EPA hazardous air pollutants (HAPS) Glycol ethers.
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 . (Carbon black - airborne, unbound particles of respirable size). 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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