



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

**PRODUCT: PF 88105-1 BASE COAT (GM BLACK)**

### SECTION 01: IDENTIFICATION

Product identifier..... PF 88105-1 BASE COAT (GM BLACK)  
 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 Irritation — Category 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. H315 Causes skin irritation. 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. (Ear).  
 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 the 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 . 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. 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. 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 88105-1 BASE COAT (GM BLACK)****SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Butyl Acetate	123-86-4	15-40
tert-Butyl acetate	540-88-5	7-13
2-Propanol, 1-methoxy-, acetate	108-65-6	5-10
Acetone	67-64-1	3-7
4-Chlorobenzotrifluoride	98-56-6	3-7
Xylene	1330-20-7	1-5
Butyl Alcohol	71-36-3	1-5
Carbon Black	1333-86-4	1-5
Ethylbenzene	100-41-4	0.5-1.5
Methyl N-Amyl Ketone	110-43-0	0.5-1.5
Bis (1,2,2,6,6- Pentamethyl-4- Piperidyl) Sebacate	41556-26-7	0.1-1
n-Heptane	142-82-5	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.....	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.....	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. Can cause skin sensitization. Causes skin irritation. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. This product contains ingredients that are suspected of damaging fertility or the unborn child. This product contains ingredients that may cause cancer. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. High vapour concentrations may be irritating to the respiratory tract.
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, CO <sub>2</sub> , dry chemical. Do not use water in a jet.
Specific hazards arising from the ..... hazardous product, such as the nature of any hazardous combustion products	Thermal decomposition products are toxic. May include: Oxides of carbon (CO, CO <sub>2</sub> ). Hydrocarbon fumes and smoke. Under hot acidic conditions: Isobutylene. Acetic acid.
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. 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	Extremely flammable liquid. No action shall be taken involving any personal risk or without suitable training. Take precautions against static discharge. Use non-sparking tools and
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**PRODUCT: PF 88105-1 BASE COAT (GM BLACK)****SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures ..... equipment to pick up the spilled material. Equipment should be grounded. 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.....

FLAMMABLE. Ventilate. Eliminate all sources of ignition. 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. 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. Attacks some types of rubber, plastics and coatings.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Butyl Acetate	150 ppm	200 ppm	150 ppm	200 ppm vacated	150 ppm - STEL 200 ppm	
	CA ON: 50ppm (TWA), 150 ppm (STEL)					
tert-Butyl acetate	200 ppm	Not established	200 ppm	Not established	200 ppm	
	CA ON AB BC: 50ppm (TWA), 200ppm (STEL)					
2-Propanol, 1-methoxy-, acetate	50 ppm	75 ppm	Not established	Not established	Not established	
Acetone	250 ppm TLV	500 ppm	1,000 ppm	Not established	250 ppm	
	CA ON AB: 500ppm (TWA); 750ppm (STEL)					
4-Chlorobenzotrifluoride	Not established	Not established	Not established	Not established	Not established	
Xylene	50 ppm	150 ppm	100 ppm TWA	Not established	Not established	
	CA ON: 100ppm (TWA); 150ppm (STEL)					
Butyl Alcohol	20 ppm	Not established	100 ppm	Not established	50 ppm skin	
	CA ON: 20 ppm (TWA)					
Carbon Black	3 mg/m3	Not established	3.5 mg/m3	Not established	3.5 mg/m3	
	CA ON: 3 mg/m3 (Inhalable) TWA					
Ethylbenzene	100 ppm	125 ppm	100 ppm	Not established	100 ppm / STEL 125 ppm	
	CA ON: 20ppm (TWA)					
Methyl N-Amyl Ketone	50 ppm	Not established	100 ppm	465 mg/m3 TWA	Not established	
	CA ON: 25 ppm; 115 mg/m3 (TWA)					
Bis (1,2,2,6,6-Pentamethyl-4- Piperidyl) Sebacate	Not established	Not established	Not established	Not established	Not established	
n-Heptane	400 ppm	500 ppm	500 ppm	Not Established	85 ppm / STEL 440 ppm	
	CA ON: 400ppm (TWA), 500ppm (STEL)					

**PRODUCT: PF 88105-1 BASE COAT (GM BLACK)****SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

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.
Eye/type.....	Chemical safety goggles. Chemical safety goggles and full faceshield if splash hazard exists.
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. Contact glove supplier for recommendations.
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.
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.....	Black.
Odour.....	Characteristic odour.
Odour threshold (ppm).....	Not available.
pH.....	Not applicable.
Melting / Freezing point (deg C).....	< 0 °C. (estimate).
Initial boiling point / boiling range (deg C).....	> 56 °C. (acetone).
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).....	0.7.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	>1.
Relative Density (Specific Gravity).....	0.972.
Pounds / USG.....	8.12.
Solubility.....	Not available.
Partition coefficient — n-octanol/water.....	Not available.
Auto ignition temperature (deg C).....	> 200°C. (estimate).
Decomposition temperature.....	Not available.
Viscosity.....	Not available.
VOC (less water).....	3.65 lb/USG; 437.4 g/L.

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity .....	Product is stable; hazardous polymerization will not occur.
Chemical stability.....	Stable at normal temperatures and pressures.
Possibility of hazardous reactions.....	Will not occur under normal temperature and pressure.
Conditions to avoid, including static discharge, shock or vibration .....	Avoid heat, spark, open flames. Electrostatic charge.
Incompatible materials.....	Strong oxidizing agents. Reducing agents. Ammonia. Aldehydes. Acids. Alkalies. Nitrates. Plastics. 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. See hazardous combustion products section 5.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Butyl Acetate	390 ppm (4 hr)	10768 mg/kg oral rat 17600 mg/kg dermal rabbit
tert-Butyl acetate	>2,230 mg/m <sup>3</sup> 4 hours rat	4,100 mg/kg (rat, oral); >2,000 mg/kg (rabbit, dermal)
2-Propanol, 1-methoxy-, acetate	Not Available	8,532 mg/kg rat oral 5,000 mg/kg dermal rabbit

**PRODUCT: PF 88105-1 BASE COAT (GM BLACK)****SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Acetone	50,100 mg/m3 8 hours, rat	5,800 mg/kg (rat oral)
4-Chlorobenzotrifluoride	4479 ppm	>6,800 mg/kg (rat oral); >2,700 mg/kg (rabbit dermal)
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral
Butyl Alcohol	8,000 ppm 4 hours	790 mg/kg rat oral 3,400 mg/kg rabbit dermal
Carbon Black	Not available	>10,000 mg/kg (oral rat ) 3,000 mg/kg (dermal rabbit)
Ethylbenzene	No data	3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal
Methyl N-Amyl Ketone	Not Available	1,670 mg/kg rat oral 12,600 mg/kg rabbit dermal
Bis (1,2,2,6,6- Pentamethyl-4- Piperidyl) Sebacate	Not Available	2369-3920 mg/kg (oral rat), >2000 mg/kg (dermal rabbit)
n-Heptane	103 mg/m3 rat 4 hr	> 5000 mg/kg (oral, rat)
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
Symptoms related to the physical, chemical and toxicological characteristics		
Effects of acute exposure.....	Hazardous in contact with skin, by ingestion, and by inhalation. The aromatic hydrocarbon solvents in this product can be irritating to the eyes, nose and throat. In high concentration, they may cause central nervous system depression and narcosis characterized by nausea, lightheadedness and dizziness from overexposure by inhalation. Irritating to eyes, skin and respiratory system. May cause sensitization by skin contact.	
Effects of chronic exposure.....	Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. May cause skin defatting and dermatitis.	
Sensitizing capability of material.....	May cause sensitization by skin contact.	
Carcinogenicity of material.....	IARC has classified Carbon Black as "Group 2B", possibly carcinogenic to humans, based on laboratory animal inhalation studies. Ethylbenzene is classified as an A3 known animal carcinogen.	
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. Chronic exposure to Ethylbenzene has been associated with reproductive effects among women.	
Mutagenicity.....	The data does not allow for an adequate assessment of the mutagenic effect.	
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.

**PRODUCT: PF 88105-1 BASE COAT (GM BLACK)****SECTION 14: TRANSPORT INFORMATION**

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..... Contains ingredient(s) not on the 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..... Butyl alcohol. Ethylbenzene. Glycol ethers. Xylene.  
 EPA hazardous air pollutants (HAPS) ..... Benzene. Ethylbenzene. Glycol ethers. 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). (Benzene (D)). \*\*\* ! 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). (Ethyl benzene). For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**SECTION 16: OTHER INFORMATION**

Prepared by: ..... REGULATORY AFFAIRS. Trivalent Data Systems Ltd. [www.trivalent.com](http://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.  
 Review Date:..... 2022-11-30.  
 Date of the latest revision of the safety .. 2021-03-04  
 data sheet