



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

PRODUCT: PF 519 ENAMEL PAINT BLACK

SECTION 01: IDENTIFICATION

Initial supplier identifier..... Pro Form Products Ltd.
604 McGeachie Drive
Milton, Ontario L9T3Y5
Tel (905) 878-4990 Fax (905) 878-1189

Product identifier..... PF 519 ENAMEL PAINT BLACK

Recommended use and restrictions on .. Paints.
use

Chemical family..... Mixture.

NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.

HMIS..... H: 2 F: 4 R: 0.

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 **.

SECTION 02: HAZARD IDENTIFICATION



Signal Word..... DANGER.

Hazard Classification..... Flammable Aerosols — Category 1. Gases Under Pressure: Liquefied Gas. Aspiration Toxicity 1. Skin Sensitizer — Category 1. Eye Irritation — Category 2A. Specific Target Organ Toxicity — Single Exposure — Category 3. (narcotic effects). (respiratory system). Germ Cell Mutagenicity 1. Carcinogenicity — Category 1. Reproductive Toxicity — Category 2.

Hazard Description..... H222 Extremely flammable aerosol. H229 Pressurized container: may burst if heated. H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H340 May cause genetic defects. 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 safety instructions have been read and understood. P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P211 Do not spray on an open flame or other ignition sources. P251 Do not pierce or burn container, even after use. P261 Avoid breathing mists, vapours and sprays. 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 P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P331 Do NOT induce vomiting. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. 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.

Storage..... P233 Keep container tightly closed. P403 Store in a well ventilated area. P405 Store locked up. P410 Protect from sunlight. P412 Do not expose to temperature exceeding 50°C / 122°F.

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 519 ENAMEL PAINT BLACK**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Acetone	67-64-1	10-30
Light Aliphatic Solvent Naphtha	64742-89-8	10-30
Propane	74-98-6	10-30
Isobutane	75-28-5	7-13
Methyl Isobutyl Ketone	108-10-1	3-7
Isobutyl Acetate	110-19-0	1-5
Ethyl 3-Ethoxypropionate	763-69-9	1-5
Carbon Black	1333-86-4	1-5
Benzene, ethenylmethyl-	25013-15-4	0.1-1
Methyl ethyl ketoxime (MEKO)	96-29-7	0.1-1
Naphtha (Petroleum), hydrotreated heavy	64742-48-9	0.1-1
Toluene	108-88-3	0.1-1
Xylene	1330-20-7	<0.1

<<The actual concentration(s) withheld as a trade secret>> .

SECTION 04: FIRST-AID MEASURES

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 irritation continues.
Skin contact.....	Immediately remove all contaminated clothing; flush skin with water for at least 15 minutes. If irritation persists, seek medical attention.
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. The main hazard from ingestion is aspiration of the liquid into the lungs. 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. Get medical attention.
Most important symptoms and effects, whether acute or delayed	May cause mild 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. May cause genetic defects.
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, CO ₂ , 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	Extremely flammable aerosol. Aerosol can will explode if heated. Thermal decomposition products are toxic. May include: Oxides of carbon (CO, CO ₂). Other potentially toxic fumes.
Special protective equipment and precautions for fire-fighters	Extremely flammable aerosol. 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	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. Equipment should be grounded.
Methods and materials for containment and cleaning up	

PRODUCT: PF 519 ENAMEL PAINT BLACK**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Leak/spill..... 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. 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..... Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. 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 breathing vapours or mist. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. 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 in a cool, dry and well ventilated area. Keep container closed when not in use. Store away from oxidizing and reducing materials. Store away from sunlight. Do not store above 50 deg C.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	NIOSH REL
Acetone	250 ppm TLV	500 ppm	1,000 ppm	Not established	250 ppm
Light Aliphatic Solvent Naphtha	Not established	Not established	Not established	Not established	Not established
Propane	1,000 ppm	Not established	1,000 ppm	Not established	1,000 ppm
Isobutane	Not established	Not established	Not established	Not established	800 ppm
Methyl Isobutyl Ketone	50 ppm	75 ppm	100 ppm	Not established	50 ppm / STEL 75 ppm
Isobutyl Acetate	50 ppm	150 ppm	150 ppm	Not established	150 ppm
Ethyl 3-Ethoxypropionate	Not established	Not established	Not established	Not established	Not established
Carbon Black	3.5 mg/m3	Not established	3.5 mg/m3	Not established	3.5 mg/m3
Benzene, ethenylmethyl-	50 ppm	100 ppm			
	25 ppm (STEV)				
Methyl ethyl ketoxime (MEKO)	Not established		Not established		Not established
Naphtha (Petroleum), hydrotreated heavy	175 ppm	Not established	Not established	Not established	Not established
Toluene	20 ppm	Not established	200 ppm	500 ppm 10 minutes	100 ppm / STEL 150 ppm
Xylene	50 ppm	150 ppm	100 ppm TWA	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. Explosion-proof exhaust ventilation.				
Personal Protective Equipment					
Eye/type.....	Chemical safety goggles. Chemical safety goggles and full faceshield if a splash hazard exists.				
Gloves/ type.....	Chemical resistant gloves. Insulated gloves. (for aerosols). Contact glove supplier for recommendations.				
Clothing/type.....	Wear adequate protective clothes. Wear long sleeves and trousers to prevent dermal exposure.				
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits. Be sure to use NIOSH approved respirator or equipment. Do not exceed the use limits of the respirator.				

PRODUCT: PF 519 ENAMEL PAINT BLACK**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

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..... Aerosol.
 Colour..... Black.
 Odour..... Characteristic odour. Strong solvent.
 Odour threshold (ppm)..... Not available.
 pH..... No data.
 Melting / Freezing point (deg C)..... > -95°C . (acetone).
 Initial boiling point / boiling range (deg C). 56°C (133 °F). (acetone).
 Flash point (deg C), method..... -18°C. (estimate; lowest flash point ingredient).
 Evaporation rate..... No data.
 Flammability (solids and gases)..... Flammable aerosol.
 Upper flammable limit (% vol)..... 9.5. (Propane).
 Lower flammable limit (% vol)..... 2.0. (Propane).
 Vapour pressure (psig)..... 60-75 psig @ 21°C.
 Vapour density (air=1)..... No data.
 Relative Density (Specific Gravity)..... 0.74 - 0.78.
 Pounds / USG..... 6.18 - 6.51.
 Solubility..... Not soluble in water.
 Partition coefficient — n-octanol/water..... Not available.
 Auto ignition temperature (deg C)..... 460 °C (propellant) .
 Decomposition temperature..... Not available.
 Viscosity..... No data.
 % Volatile by volume..... Not available.
 VOC..... 3.54 lbs/USG; 424.2 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..... 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.
 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
Acetone	50,100 mg/m3 8 hours rat inhalation	5,800 mg/kg rat oral
Light Aliphatic Solvent Naphtha	3400 ppm 4hr rat	3000 mg/kg dermal rat
Propane	>1,464 mg/L 15 minutes rat	Not available
Isobutane	52 mg/L 1 hour mouse	Not available
Methyl Isobutyl Ketone	8.2 - 16.4 mg/L 4 hours rat	2080 mg/kg rat oral >16,000 mg/kg rabbit dermal
Isobutyl Acetate	>13.24 mg/L /6 h rat	15400 mg/kg (rat oral) > 17400 mg/kg (rabbit dermal)
Ethyl 3-Ethoxypropionate	>998 ppm 6 hours	4,309 mg/kg rat oral 4,080 mg/kg rabbit dermal
Carbon Black	Not available	>10,000 mg/kg oral rat 3,000 mg/kg dermal rabbit
Benzene, ethenylmethyl-	Not available	Not available
Methyl ethyl ketoxime (MEKO)	> 4.8 MG/L 4-HOUR RAT	2300-3700 MG/KG ORAL RAT. >1000M G/KG DERMAL RABBIT
Naphtha (Petroleum), hydrotreated heavy	>8500 mg/m3 (rat, 4 hr)	>6000 mg/kg (oral, rat)
Toluene	8000 ppm rat inhalation 400 ppm mouse inhalation 24hr	5,000 mg/kg rat oral; 12,124 mg/kg rabbit dermal

PRODUCT: PF 519 ENAMEL PAINT BLACK**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral
Route of exposure.....	Eye contact. Skin contact. Skin absorption. Inhalation. Ingestion.	
Symptoms related to the physical, chemical and toxicological characteristics		
Effects of acute exposure.....	Aspiration of liquid into lungs can cause chemical pneumonitis. Can be irritating to eyes and skin. Skin absorption of material may cause systemic toxicity.	
Effects of chronic exposure.....	Prolonged or repeated skin contact may cause drying or cracking of skin. Reports have associated repeated or prolonged overexposure to solvents with permanent brain and nervous system damage. Possible damage to liver and kidneys. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.	
Carcinogenicity of material.....	Solvent Naphtha is classified as a possible carcinogen. Benzene, ethenylmethyl- has been listed by IARC as a Group 3; not classifiable as to its carcinogenicity to humans. Methyl Isobutyl Ketone is possibly carcinogenic to humans (IARC Group 2B). IARC has classified Carbon Black as "Group 2B", possibly carcinogenic to humans, based on laboratory animal inhalation studies. IARC has classified Toluene as a Group 3 (Not classifiable as to its carcinogenicity to humans); ACGIH has classified Toluene as a Group A4 (Not classifiable as a human carcinogen). Xylene has been listed by IARC as a Group 3; not classifiable as to its carcinogenicity to humans.	
Reproductive effects.....	Solvent Naphtha is classified as a possible reproductive toxin. 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. 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.	
Mutagenicity.....	Benzene, ethenylmethyl- : May cause genetic defects.	
Sensitizing capability of material.....	None known.	
Specific Target Organ Toxicity	May cause drowsiness or dizziness. May cause respiratory irritation.	

SECTION 12: ECOLOGICAL INFORMATION

Environmental..... No product data. 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. Do not heat or cut empty containers with electric or gas torch.

SECTION 14: TRANSPORT INFORMATION

TDG Classification..... UN1950 - AEROSOLS, flammable - Class 2.1 - This product meets limited quantity exemption when shipped in containers less than 1 Litre.
 DOT Classification (Road)..... UN1950 - AEROSOLS, flammable - Class 2.1 - Ltd Qty (1 Liter/0.26 Gallons).
 IATA Classification (Air)..... UN1950 - AEROSOLS, flammable - Class 2.1 - Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
 IMDG Classification (Marine)..... UN1950 - AEROSOLS - Class 2.1 - EmS: F-D, S-U - Limited Quantity. Check IMDG regulations for limited quantity exemptions.
 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 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. Methyl Isobutyl Ketone. Xylene.
 EPA hazardous air pollutants (HAPS) Cobalt compounds. Ethylbenzene. Methyl Isobutyl Ketone. Toluene. Xylene.
 40CFR63

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SECTION 15: REGULATORY INFORMATION

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). (Ethyl benzene). (Carbon black - airborne, unbound particles of respirable size). (Methyl Isobutyl Ketone (C)). *** ! 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 (Dev)). (Methyl Isobutyl Ketone (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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