



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

PRODUCT: PF 685 1K ACRYLIC CLEARCOAT AEROSOL 12 OZ

SECTION 01: Chemical product and company identification

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

Product name..... PF 685 1K ACRYLIC CLEARCOAT AEROSOL 12 OZ

Recommended use and restrictions on use Paints.

Chemical family..... Mixture.

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

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

24 hour emergency number:..... IN CANADA CALL CANUTEC 1-888-226-8832 (CAN-UTEC); IN THE UNITED STATES
CALL CHEMTREC 1-800-424-9300. .

SECTION 02: Hazards identification



Signal Word..... DANGER.

Hazard Classification..... Aerosol 1. Gases Under Pressure: Liquefied Gas. Skin Irritant 2. Eye Irritant 2A.
Reproductive 2. Specific Target Organ Toxicity — Repeated Exposure — Category 2.

Hazard Description..... H222 Extremely flammable aerosol . H229 Pressurized container: may burst if heated.
H280 Contains gas under pressure; may explode if heated. H315 Causes skin irritation.
H319 Causes serious eye irritation. H361 This product contains ingredients that are
suspected of damaging fertility or the unborn child. H373 May cause damage to liver and
blood through prolonged or repeated contact.

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. P260 Do not
breathe mist, vapours, or spray. P264 Wash thoroughly after handling. P280 Wear
protective gloves and eye protection.

Response 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.
P332 + P313 - If skin irritation occurs get medical attention or advice. P308 + P313 If
exposed or concerned, get medical advice/attention. P321 - For specific treatment see
section 4 on this SDS.

Storage..... 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.

SECTION 03: Composition/Information on Ingredients

HAZARDOUS INGREDIENTS	CAS #	WT. %
Methyl Acetate	79-20-9	15-40
Acetone	67-64-1	10-30
Propane	74-98-6	10-30
Isobutane	75-28-5	7-13
Methyl Ethyl Ketone	78-93-3	7-13
Toluene	108-88-3	3-7
Ethyl 3-Ethoxypropionate	763-69-9	3-7

PRODUCT: PF 685 1K ACRYLIC CLEARCOAT AEROSOL 12 OZ**SECTION 03: Composition/Information on Ingredients**

Ethanol	64-17-5	1-5
Methanol	67-56-1	0.1-1

SECTION 04: First aid measures

Eye contact.....	Check for and remove any contact lenses, if safe and easy to do so. In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Obtain medical attention.
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.....	In the event of accidental ingestion, rinse mouth with water; obtain medical advice 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.
Most important symptoms and effects, whether acute or delayed	Harmful if swallowed, in contact with skin or if inhaled. Causes skin and eye irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
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. Acute exposure to methanol, either through ingestion or breathing high airborne concentrations can result in symptoms appearing between 40 minutes and 72 hours after exposure. Symptoms and signs are usually limited to CNS, eyes and gastrointestinal tract. Because of the initial CNS effects of headache, vertigo, lethargy and confusion, there may be an impression of ethanol intoxication. Blurred vision, decreased acuity and photophobia are common complaints. Treatment with ipecac or lavage is indicated in any patient presenting within two hours of ingestion. A profound metabolic acidosis occurs in severe poisoning and serum bicarbonate levels are a more accurate measure of severity than serum methanol levels. Treatment protocols are available from most major hospitals and early collaboration with appropriate hospital is recommended. In cases of methanol poisoning, medical care must emphasize the control of acidosis. The use of intravenous bicarbonate has been lifesaving. Evidence shows that the treatment of methanol absorption is enhanced through the administration of ethanol, which should be given to produce a blood level of at least 0.1%. Ethanol diminishes the production of the toxic metabolites of methanol. A blood methanol level of 50 mg/100ml is an indication for hemodialysis, which has improved the prognosis of methanol intoxication. If more than 2.0 ml/kg has been ingested, vomiting should be induced with supervision. .

SECTION 05: Fire fighting measures

Suitable and unsuitable extinguishing media.....	"Alcohol" foam, CO ₂ , dry chemical. In cases of larger fires, water spray should be used. Do not use water in a jet.
Hazardous combustion products.....	Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.
Special fire fighting procedures.....	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.
Unusual fire / explosion hazards.....	Extremely flammable aerosol. Vapours can accumulate in low areas. Vapours may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapour source.

SECTION 06: Accidental release measures

Leak/spill.....	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. Avoid all personal contact. Absorb with earth, sand, or another dry inert material. Pick up and place in a tightly-sealed container duly identified. Use an appropriate technique to prevent any environmental contaminations. 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.
-----------------	--

PRODUCT: PF 685 1K ACRYLIC CLEARCOAT AEROSOL 12 0Z**SECTION 07: Handling and storage**

Handling procedures..... 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. 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. Keep container closed when not in use. Employees should wash hands and face before eating or drinking.

Storage needs..... 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. Do not store above 50 deg C.

SECTION 08: Exposure controls / personal protection

INGREDIENTS	ACGIH TLV		PEL	OSHA PEL		NIOSH
	TWA	STEL		STEL	REL	
Methyl Acetate	200 ppm	250 ppm	200 ppm	250 ppm in some States	200 ppm	
Acetone	500 ppm	750 ppm	1,000 ppm	Not established	250 ppm	
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 Ethyl Ketone	200 ppm	300 ppm	200 ppm	Not established	200 ppm TWA	
Toluene	20 ppm	Not established	200 ppm	500 ppm 10 minutes	100 ppm / STEL 150 ppm	
Ethyl 3-Ethoxypropionate	Not established	Not established	Not established	Not established	Not established	
Ethanol	1000 ppm	1000 ppm	1000 ppm	Not established	1000 ppm	
Methanol	200 ppm	250 ppm skin	200 ppm	Not established	200 ppm / STEL 250 ppm	

Protective equipment

Respiratory/type..... Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.

Eye/type..... Chemical safety goggles. Chemical safety goggles and full faceshield if a splash hazard exists.

Gloves/ type..... Chemical resistant gloves.

Clothing/type..... Wear adequate protective clothes. Wear long sleeves and trousers to prevent dermal exposure.

Footwear/type..... Safety boots per local regulations.

Other/type..... Eye wash facility and emergency shower should be in close proximity.

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. .

SECTION 09: Physical and chemical properties

Physical state..... Aerosol.

Colour..... Clear.

Odour..... Solvent odour.

Odour threshold (ppm)..... Not available.

Vapour density (air=1)..... >1.

Vapour pressure (psig)..... 80-110 psig @ 21°C.

pH..... Not applicable.

Relative Density (Specific Gravity)..... 0.886. (Liquid). 0.815. (Aerosol).

Melting / Freezing point (deg C)..... Not Available.

Solubility..... Slightly soluble in water.

Initial boiling point / boiling range (deg C). 55.8-58.2°C. (Liquid).

Evaporation rate..... > 1.0.

Flash point (deg C), method..... -18°C. (estimate for liquid).

Auto ignition temperature (deg C)..... >370. (liquid).

Upper flammable limit (% vol)..... 9.5. (Propane).

Lower flammable limit (% vol)..... 2.2. (Propane).

PRODUCT: PF 685 1K ACRYLIC CLEARCOAT AEROSOL 12 0Z**SECTION 09: Physical and chemical properties**

Coefficient of water/oil distribution..... Not available.
 % Volatile by volume..... Not Available.
 VOC..... 2.38 lb/usg - 285 g/L.
 Viscosity..... Not Available.

SECTION 10: Stability and reactivity

Chemical stability..... Stable at normal temperatures and pressures.
 Reactivity Avoid heat, sparks and flames. Not expected to be sensitive to mechanical impact.
 Expected to be sensitive to static discharge when vapours in air are between the lower and upper explosive limits. Avoid electrostatic discharge.
 Possibility of hazardous reactions..... Hazardous polymerization will not occur.
 Conditions to avoid..... Strong oxidizing agents, mineral acids, and alkalines.
 Hazardous decomposition products..... See hazardous combustion products section 5.

SECTION 11: Toxicological information

INGREDIENTS	LC50	LD50
Methyl Acetate	>24 mg/L 8 hours mouse	6482 mg/kg oral rat; >2,000 mg/kg dermal rat
Acetone	50,100 mg/m ³ 8 hours rat inhalation	5,800 mg/kg rat oral
Propane	>1,464 mg/L 15 minutes rat	Not available
Isobutane	52 mg/L 1 hour mouse	Not available
Methyl Ethyl Ketone	>5,000 ppm (6 hours, rat) 11000 ppm (45 minutes, mouse)	3,400 mg/kg (rat, oral) >8000 mg/kg (rabbit, dermal) 670 mg/kg (mouse, oral)
Toluene	8000 ppm rat inhalation 400 ppm mouse inhalation 24hr	5,000 mg/kg rat oral; 12,124 mg/kg rabbit dermal
Ethyl 3-Ethoxypropionate	>998 ppm 6 hours	4,309 mg/kg rat oral 4,080 mg/kg rabbit dermal
Ethanol	20000 ppm/ 10 hour rat	10,600 mg/kg rat oral
Methanol	128.2 mg/L, 4h rat	420 mg/m ³ oral, 5,628 mg/kg rat oral, 15,800 mg/kg rabbit dermal

Route of exposure..... Eye contact. Skin contact. Inhalation. Skin absorption.
 Effects of acute exposure..... Contact with eyes may cause irritation. Contact with skin may cause moderate to severe irritation. Ingestion may result in gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Inhalation of vapours causes irritation to the nose, throat and respiratory tract. Inhalation of higher concentration may result in central nervous system depression and unconsciousness.
 Effects of chronic exposure..... Prolonged or repeated skin contact may cause drying or cracking of skin. Chronic exposure to organic solvent vapours 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.
 Carcinogenicity of material..... None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen. Acetone may contain trace amounts of benzene, a chemical known to cause cancer.
 Reproductive effects..... 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. Toluene is known by the State of California to cause adverse fetal developmental effects. In one study, Methyl Ethyl Ketone has been found to cause embryol toxicity in large concentrations.
 Specific Target Organ Toxicity 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.

SECTION 12: Ecological information

Environmental..... Do not allow to enter waters, waste water or soil.
 Persistence and degradability..... Not available.

PRODUCT: PF 685 1K ACRYLIC CLEARCOAT AEROSOL 12 OZ**SECTION 13: Disposal considerations**

Waste disposal..... Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.

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..... Methanol. Toluene.
 EPA hazardous air pollutants (HAPS) Methanol. Methyl Ethyl Ketone. Toluene.
 40CFR63
 California Proposition 65..... *WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

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.
 Preparation date: JAN 09/2018