



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

PRODUCT: PF 688C CLEARCOAT 4:1 2.1 VOC

SECTION 01: IDENTIFICATION

Product identifier..... PF 688C CLEARCOAT 4:1 2.1 VOC
 Other means of identification
 Chemical family..... Mixture.
 Recommended use and restrictions on .. Paint related materials.
 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 **.
 -
 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 Corrosion/Irritation — Category 2. Sensitization - Skin — Category 1. Serious Eye Damage/Eye Irritation — Category 2A. Specific Target Organ Toxicity — Single Exposure — Category 3. (CNS). Reproductive Toxicity — Category 2. Carcinogenicity — Category 2. Aquatic Acute 1. Aquatic Chronic 1.
 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. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
 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. P261 Avoid breathing mists, vapours and sprays. P264 Wash thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P271 Use only outdoors or in a well ventilated area. P280 Wear protective gloves and eye protection.
 Response P302 + P352 - If on skin: wash with plenty of water. P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. 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. P308 + P313 If exposed or concerned, get medical advice/attention. P312 Call a POISON CENTER/doctor if you feel unwell. P321 - For specific treatment see section 4 on this SDS. P332 + P313 - If skin irritation occurs get medical attention or advice. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P337 + P313 - If eye irritation persists get medical attention. P362 + P364 - Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P391 Collect spillage.
 Storage..... P403+P433+P435 Store in a well ventilated area. Keep container tightly closed. Keep cool. P405 Store locked up.
 Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.
 Other hazards..... None known.
 Note This product mixture has been classified based on its ingredients.

PRODUCT: PF 688C CLEARCOAT 4:1 2.1 VOC**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
4-Chlorobenzotrifluoride	98-56-6	30-60
Acetone	67-64-1	10-30
n-Butyl Acetate	123-86-4	10-30
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	82919-37-7	0.1-1
Bis (1,2,2,6,6- Pentamethyl-4- Piperidyl) Sebacate	41556-26-7	0.1-1
C7-C9 Branched Alkyl Esters	127519-17-9	0.1-1
<<The actual concentration(s) withheld as a trade secret>>		

SECTION 04: FIRST-AID MEASURES

Skin contact.....	Flush affected area with water for at least 15 minutes. Remove contaminated clothing and launder 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. Remove contact lenses if safe to do so. Obtain 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.....	Do not induce vomiting. Rinse mouth with plenty of water. 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. If symptoms persist, immediately obtain medical help.
Most important symptoms and effects, whether acute or delayed	May cause respiratory irritation. Can cause skin sensitization. Causes skin and eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed, if necessary	Treat symptomatically.
Additional information.....	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 extinguishing media.....	"Alcohol" foam, CO2, dry chemical. Water spray.
Unsuitable extinguishing media.....	Do not use solid water streams or water jet.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Extremely flammable. Hazardous combustion products may include but not limited to: 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. Use water spray to cool containers. Do not allow run-off into drains, surface waters or ground waters.

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. Avoid breathing vapours. Evacuate personnel to a safe area. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Wear appropriate personal protection equipment.
Environmental precautions.....	Do not allow product to leak into drains or waterways. If spill does contaminate waterways then inform authorities.
Methods and materials for containment and cleaning up	Contain spilled material and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling.....	Extremely flammable. Avoid formation of aerosol. Do not spray on a naked flame or any incandescent material. Obtain special instructions before use. No smoking. Use in well ventilated areas. Keep away from heat, sparks, and open flame. Ground handling equipment. Prevent accumulation of electrostatic charges. 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. Dispose of rinse water according to local, Provincial and Federal guidelines. Employees should wash hands and face before eating or drinking. Handle in accordance with good industrial hygiene and safety practices.
------------------------------------	---

PRODUCT: PF 688C CLEARCOAT 4:1 2.1 VOC**SECTION 07: HANDLING AND STORAGE**

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks, and open flames. Keep container closed when not in use. Use explosion proof equipment in areas where vapour concentrations can become ignitable. Store away from oxidizing and reducing materials. Store away from sunlight. Store in a cool and dry place, for product integrity. Do not cut, grind or weld on or near container, do not expose containers to heat, flame, sparks, static electricity, or other sources of ignition: the containers may explode and cause injury or death. Precautions should generally be taken against electrostatic charges according to the equipment used and the way the product is handled and packaged. Avoid sources of ignition. Electrical installations / working materials must comply with the technological safety standards. Incompatible materials include, but not limited to: Strong oxidizing agents. Bases. Plastics. Rubber. Amines. Reducing agents. Strong bases. Oxidizing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
4-Chlorobenzotrifluoride	Not established	Not established	Not established	Not established	Not established	Not established
Acetone	250 ppm TLV CA ON AB: 500ppm (TWA); 750ppm (STEL)	500 ppm	1,000 ppm	Not established	250 ppm	250 ppm
n-Butyl Acetate	50 ppm CA ON: 50ppm (TWA), 150ppm (STEL)	150 ppm	150 ppm	200 ppm	150 ppm / STEL 200 ppm	150 ppm / STEL 200 ppm
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	Not Established	Not Established	Not Established	Not Established	Not Established	Not Established
Bis (1,2,2,6,6-Pentamethyl-4- Piperidyl) Sebacate	Not established	Not established	Not established	Not established	Not established	Not established
C7-C9 Branched Alkyl Esters	Not established	Not established	Not established	Not established	Not established	Not established
Appropriate engineering controls.....	Use local exhaust or general room ventilation sufficient to prevent overexposure. Explosion-proof exhaust ventilation.					
Personal Protective Equipment Gloves/ type.....	Wear skin protection equipment. The selection of skin protection equipment depends on the nature of the work to be performed. Consult your personal protective equipment supplier for additional recommendations.					
Eye/type.....	Liquid chemical goggles. Chemical safety goggles and full faceshield if a splash hazard exists. Consult your personal protective equipment supplier for additional recommendations.					
Respiratory/type.....	Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits. Consult your personal protective equipment supplier for additional recommendations.					
Clothing/type.....	Wear chemical resistant clothing. Consult your personal protective equipment supplier for additional recommendations.					
Footwear/type.....	Wear chemical resistant safety boots. Consult your personal protective equipment supplier for additional recommendations.					
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.....	Colourless.
Odour.....	Aromatic.
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.....	-20°C .
Evaporation rate.....	Not available.
Flammability (solids and gases).....	Flammable liquid.
Upper flammable limit (% vol).....	Not available.
Lower flammable limit (% vol).....	Not available.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	Not available.

PRODUCT: PF 688C CLEARCOAT 4:1 2.1 VOC**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Relative Density (Specific Gravity).....	1.106.
Solubility.....	Not available.
Partition coefficient — n-octanol/water.....	Not available.
Auto ignition temperature (deg C).....	Not available.
Decomposition temperature.....	Not available.
Viscosity.....	Not available.
% Volume Volatile exempt.....	54.87.
Formula LBS/GAL.....	9.23.
% Weight Solids.....	30.89.
% Volume Solids.....	28.87.
% Weight Volatile (VOC).....	12.62.
% Volume Volatile (VOC).....	16.24.
LBS VOC/GAL solids.....	4.0.
Total MIR.....	0.20.
Coverage (sq ft/gal @ 1 mil).....	463.
VOC LBS/GAL less exempt volatiles.....	2.58.
VOC LBS/GAL less water.....	1.16.
Percent weight binder.....	30.2.
Percent volume binder.....	28.2.
Percent weight catalyst.....	0.10.
Percent volume catalyst.....	0.11.
Eq.Wt.OH.....	1784.29.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Avoid heat, sparks and flames.
Chemical stability.....	Stable at normal temperatures and pressures.
Possibility of hazardous reactions.....	Will not occur under normal temperature and pressure. Vapours may form explosive mixture with air.
Conditions to avoid, including static discharge, shock or vibration	Avoid heat, spark, open flames. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Avoid electrostatic discharge.
Incompatible materials.....	Strong oxidizing agents. Bases. Plastics. Rubber. Amines. Oxidizing agents. Strong bases. Reducing agents.
Hazardous decomposition products.....	Carbon dioxide. Carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
4-Chlorobenzotrifluoride	4479 ppm	>6,800 mg/kg (rat oral); >2,700 mg/kg (rabbit dermal)
Acetone	50,100 mg/m ³ 8 hours, rat	5,800 mg/kg (rat oral)
n-Butyl Acetate	>33 mg/L vapour, 5.2 mg/L (rat) dust/mist	10760 mg/kg (rat, oral) 14112 mg/kg (rabbit, dermal)
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	Not Available	3,230 mg/kg rat, oral
Bis (1,2,2,6,6- Pentamethyl-4- Piperidyl) Sebacate	Not Available	2369-3920 mg/kg (oral rat), >2000 mg/kg (dermal rabbit)
C7-C9 Branched Alkyl Esters	Not Available	>2,000 mg/kg oral rat >2,000 mg/kg dermal rat

Route of exposure.....	Eye contact. Skin contact. Inhalation. Ingestion.
Symptoms related to the physical, chemical and toxicological characteristics	
Effects of acute exposure.....	Causes serious eye irritation. Causes skin irritation. High concentrations may cause central nervous system depression such as drowsiness, headache, dizziness, vertigo, nausea and fatigue.
Skin corrosion/irritation.....	Causes skin irritation.
Serious eye damage/eye irritation.....	Causes serious eye irritation.
Respiratory Sensitization.....	Not expected to be a respiratory sensitizer.
Skin Sensitization.....	May cause an allergic skin reaction.
Carcinogenicity.....	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC or ACGIH.
Reproductive effects.....	Suspected of damaging fertility or the unborn child.
STOT-SE.....	Central nervous system.
STOT-RE.....	Not classified.
Aspiration Hazard.....	Does not meet the criteria for this classification.

PRODUCT: PF 688C CLEARCOAT 4:1 2.1 VOC**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity.....	Do not allow product to enter drains, sewers, bodies of water or soil.
Bioaccumulative potential.....	Not available as a product.
Mobility in soil.....	Not available as a product.
Persistence and degradability.....	Not available as a product.

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 (5 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.....	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).
National Pollutant Release Inventory (NPRI) Environmental Emergency Regulations....	Some components of this product are on the Environmental Emergency Regulations and may require additional reporting. Bis (1,2,2,6,6- Pentamethyl-4- Piperidyl) Sebacate (CAS # 41556-26-7) Part 1.
Categorization of the DSL.....	Some components met the criteria under subsection 73(1) of CEPA during categorization of the DSL. Please check to see if this affects your company. (CAS # 67-64-1). (CAS # 41556-26-7).
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 substances	None.
Section 311/312 - hazard categories.....	Immediate health, delayed health, fire hazard.
Section 313.....	None.
EPA hazardous air pollutants (HAPS) 40CFR63	None.
California Proposition 65.....	*WARNING: This product contains a chemical known to the State of California to cause cancer. (4-Chlorobenzotrifluoride). For more information, go to www.P65Warnings.ca.gov .

SECTION 16: OTHER INFORMATION

Prepared by:	REGULATORY AFFAIRS.
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.
Date of the latest revision of the safety data sheet ..	2024-10-08