



Pro Form Products Ltd.  
604 McGeachie Drive  
Milton; Ontario; L9T 3Y5  
Canada

**PRODUCT: PF 658C 2K URETHANE PRIMER SURFACER - GRAY 2.1 VOC**
**Section 01: Chemical product and company identification**

Product name..... PF 658C 2K URETHANE PRIMER SURFACER - GRAY 2.1 VOC  
 Manufactured for..... Pro Form Products Ltd.  
 604 McGeachie Drive  
 Milton, Ontario L9T3Y5  
 Tel (905) 878-4990 Fax (905) 878-1189  
 24 hour emergency number..... IN CANADA CALL CANUTEC (613) 996-6666-IN THE UNITED STATES CALL  
 CHEMTREC (800) 424-9300.  
 Material use..... Automotive.  
 Chemical family..... Mixture.  
 Preparation date..... January 9, 2015.  
 Hazard rate  
 NFPA rating..... Health: 2 Fire: 3 Reactivity: 0.  
 HMIS..... H: 2 F: 3 R: 0.

**Section 02: Hazards identification**


Signal Word..... DANGER.  
 Hazard Classification..... Flammable Liquid 2. Skin Irritant 2. Eye Irritant 2. STOT SE 3. Carcinogen 2.  
 Hazard Description..... H225 Highly flammable liquid and vapour. H315 Causes skin irritation. 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.  
 Precautionary Statements..... 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. P235 Keep cool. 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. P271 Use only outdoors or in a well ventilated area. P280 Wear protective gloves and eye protection.  
 Response ..... P332 + P313 - If skin irritation occurs get medical attention or advice. P302 + P352 - If on skin: wash with plenty of water. . 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. P304 + P312 If inhaled call a poison control centre or doctor; remove person to fresh air and follow instructions from the poison control centre. P312 Call a poison center/doctor if you feel unwell. P362 + P364 - Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire - use dry chemical powder, CO2 or 6% foam.  
 Storage..... P403 + P233 Store in a well ventilated area. Keep container tightly closed. P405 Store locked up.  
 Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

**Section 03: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients	CAS #	Wt. %
POLYACRYLATE	PROPRIETARY	10-30
TALC	14807-96-6	10-30
CALCIUM CARBONATE	1317-65-3	10-30
ACETIC ACID, TERT-BUTYL ESTER	540-88-5	7-13
N-BUTYL ACETATE	123-86-4	5-10
TITANIUM DIOXIDE	13463-67-7	5-10
4-CHLOROBENZOTRIFLUORIDE	98-56-6	5-10
XYLENE	1330-20-7	1-5
DIBUTYL TIN BIS (ACETYLACETONATE)	22673-19-4	0.1-1.0
ETHYLBENZENE	100-41-4	0.1-1.0
CRYSTALLINE SILICA	14808-60-7	0.1-1.0

**PRODUCT: PF 658C 2K URETHANE PRIMER SURFACER - GRAY 2.1 VOC****Section 03: COMPOSITION/INFORMATION ON INGREDIENTS**

CARBON BLACK	1333-86-4	< 0.1
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**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. Obtain medical attention.

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.

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. 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.

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**

Extinguishing media..... "Alcohol" foam, CO<sub>2</sub>, dry chemical.

Hazardous combustion products..... Oxides of carbon (CO, CO<sub>2</sub>).

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. 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**

Leak/spill..... Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. 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. Evacuate all non-essential personnel. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. Shovel into suitable unsealed containers, transport to well-ventilated area (outside) and treat with neutralizing solution: mixture of water (80%) with non-ionic surfactant Tergitol TMN-10 (20%); or water (90%), concentrated ammonia (3-8%) and detergent (2%).

**Section 07: Handling and storage**

Handling procedures..... Avoid all skin contact and 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. Avoid breathing vapours or mist. Ground handling equipment. Handle and open container with care. Employees should wash hands and face before eating or drinking. Keep away from heat, sparks, and open flame.

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.

**Section 08: Exposure controls / personal protection**

Protective equipment

Eye/type..... Liquid chemical goggles.

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

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

Clothing/type..... Wear adequate protective clothes.

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

Other/type..... Emergency showers and eye wash stations should be available.

Ventilation requirements..... 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. .

**Exposure limits**

Ingredients	ACGIH TLV		OSHA PEL		NIOSH REL
	TWA	STEL	PEL	STEL	
POLYACRYLATE	Not established	Not established	Not established	Not established	Not established

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Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
TALC	2 mg/m3	No data	2 mg/m3	No data	2 mg/m3
CALCIUM CARBONATE	No data	No data	5 mg/m3	No data	5 mg/m3
ACETIC ACID, TERT-BUTYL ESTER	200 ppm	Not established	200 ppm	Not established	200 ppm
N-BUTYL ACETATE	150 ppm	200 ppm	150 ppm	200 ppm	150 ppm / STEL 200 ppm
TITANIUM DIOXIDE	10 mg/m3	No data	15 mg/m3	No data	No data
4-CHLOROBENZOTRIFLUORIDE	Not established	Not established	Not established	Not established	Not established
XYLENE	100 ppm	150 ppm	100 ppm	Not established	Not established
DIBUTYL TIN BIS (ACETYLACETONATE)	Not established	Not established	Not established	Not established	Not established
ETHYLBENZENE	100 ppm	125 ppm	100 ppm	No data	100 ppm / STEL 125 ppm
CRYSTALLINE SILICA	0.025 mg/m3	No data	No data	No data	0.05 mg/m3
CARBON BLACK	3.5 mg/m3	Not established	3.5 mg/m3	Not established	3.5 mg/m3

**Section 09: Physical and chemical properties**

Physical state.....	Liquid.
Colour.....	Gray.
Odour.....	Hydrocarbon odour.
Odour threshold (ppm).....	No data.
Vapour pressure (mm Hg).....	No data.
Vapour density (air=1).....	>1.
pH.....	Not applicable.
Freezing point (deg C).....	No data.
Solubility.....	Slightly soluble in water.
Boiling point (deg C).....	>95C.
Evaporation rate.....	Moderate.
Flash point (deg C), method.....	4.4 Closed Cup.
Auto ignition temperature (deg C).....	No data.
Upper flammable limit (% vol).....	12.3.
Lower flammable limit (% vol).....	0.9%.
Coefficient of water/oil distribution.....	No data.
Decomposition temperature.....	No data.
% Volatile by volume.....	30.
VOC.....	245.6 g/L - 2.05 lb/USG.
Viscosity.....	3130 cps Spindle #4 @20.

**Section 10: Stability and reactivity**

Stability.....	Stable at normal temperatures and pressures.
Reactivity conditions.....	Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents.
Incompatibility.....	Keep away from heat. Incompatible with strong oxidizers.
Hazardous products of decomposition.....	Oxides of carbon (CO,CO2).
Hazardous polymerization.....	Will not occur under normal temperature and pressure.

**Section 11: Toxicological information**

Route of entry .....	Eye contact. Skin contact. Inhalation.
Effects of acute exposure.....	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. Contact with skin may cause moderate to severe irritation. Inhalation of high vapour may cause central nervous system effects, dizziness, headache, nausea, or loss of coordination. May cause moderate to severe eye irritation.
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 .

**PRODUCT: PF 658C 2K URETHANE PRIMER SURFACER - GRAY 2.1 VOC****Section 11: Toxicological information**

Carcinogenicity of material..... Ethylbenzene is classified as an A3 known animal carcinogen. IARC has classified Titanium Dioxide as a group 2B carcinogen. IARC has classified Carbon Black as "Group 2B", possibly carcinogenic to humans, based on laboratory animal inhalation studies. This product contains non-asbestiform Talc, which is classified as a Group 3 (not classifiable as to carcinogenicity to humans) by IARC. Quartz (Crystalline Silica) is a suspect carcinogen per IARC and NTP.

## Toxicological Data

Ingredients	LC50-inh, rat	LD50-Oral, rat
POLYACRYLATE	No data	No data
TALC	No data	No data
CALCIUM CARBONATE	No data	6450 mg/kg rat oral
ACETIC ACID, TERT-BUTYL ESTER	>2,230 mg/m <sup>3</sup> 4 hours rat	4,100 mg/kg rat oral >2,000 mg/kg rabbit dermal
N-BUTYL ACETATE	1.36 - 2.38 mg/L 4 hours rat	>3200 mg/kg rat oral >5000 mg/kg rabbit dermal
TITANIUM DIOXIDE	No data	> 10,000 mg/kg rat oral > 10,000 mg/kg rabbit dermal
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
DIBUTYL TIN BIS (ACETYLACETONATE)	No data	No data
ETHYLBENZENE	No data	3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal
CRYSTALLINE SILICA	No data	No data
CARBON BLACK	No data	>8,000 mg/kg oral (rat)

**Section 12: Ecological information**

Environmental..... Do not allow to enter waters, waste water or soil.  
Biodegradability..... No data.

**Section 13: Disposal considerations**

Waste disposal..... Empty containers must be handled with care due to product residue. This material and its container must be disposed of as hazardous waste. Avoid release to the environment.

**Section 14: Transport information**

TDG Classification (Road)..... 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 Related Material - Class 3 - PGII.  
IATA Classification (Air)..... UN1263 - PAINT - Class 3 - Packing Group II.  
IMDG Classification (Marine)..... UN1263 - Paint - Class 3 - Packing Group II - EmS: F-E S-E.  
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**

WHMIS classification..... B2, D2A, D2B.  
CEPA status..... On Domestic Substances List (DSL).  
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..... Xylene, Ethylbenzene.  
EPA hazardous air pollutants (HAPS) ..... Ethylbenzene, Xylene.  
40CFR63  
TSCA inventory status..... All components are listed.  
California Proposition 65..... This product contains Ethylbenzene that is known to the State of California to cause cancer. Titanium dioxide is known to the State of California to cause cancer. This product contains Carbon Black known to the State of California to cause cancer. This product contains Crystalline Silica (Quartz) known to the State of California to cause cancer.

**PRODUCT: PF 658C 2K URETHANE PRIMER SURFACER - GRAY 2.1 VOC****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.

Preparation date: ..... Jan09/15