



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

**PRODUCT: PF 682-1C URETHANE GRADE REDUCER LOW VOC SLOW**

**SECTION 01: Chemical product and company identification**

Product name..... PF 682-1C URETHANE GRADE REDUCER LOW VOC SLOW  
 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 1-888-226-8832 (CAN-UTEC) - IN THE UNITED STATES  
 CALL CHEMTREC 1-800-424-9300.  
 Material use..... Paint reducer. This product should not be used for any other purpose other than the ones  
 described in this section. For industrial use only - keep out of reach of children.  
 Chemical family..... Mixture.  
 Preparation date..... April 5, 2016.  
 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.  
 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.  
 Precautionary Statements..... 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. 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. . P321 - For specific treatment see  
 section 4 on this SDS. P332 + P313 - If skin irritation occurs get medical attention or  
 advice. P362 + P364 - Take off contaminated clothing and wash before reuse. 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. 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. P370 + P378 In case  
 of fire - use dry chemical powder, CO2 or foam to extinguish.  
 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.

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

HAZARDOUS INGREDIENTS	CAS #	WT. %
4-Chlorobenzotrifluoride	98-56-6	60-100
Acetone	67-64-1	25-35

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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, CO2, dry chemical. In cases of larger fires, water spray should be used.  
 Hazardous combustion products..... Oxides of carbon (CO, CO2).  
 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.

**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**

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	500 ppm	750 ppm	1,000 ppm	Not established	250 ppm	
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.....	Local exhaust at points of emission.					

**SECTION 09: Physical and chemical properties**

Physical state..... Liquid.  
 Colour..... Clear, colourless.  
 Odour..... Ketone odour.  
 Odour threshold (ppm)..... Not Available.  
 Vapour pressure (mm Hg)..... No data.

**PRODUCT: PF 682-1C URETHANE GRADE REDUCER LOW VOC SLOW****SECTION 09: Physical and chemical properties**

Vapour density (air=1).....	>1.
pH.....	Not applicable.
Relative Density (Specific Gravity).....	9.19 lb/usg - 1.1748.
Freezing point (deg C).....	-36°C.
Solubility.....	Partially in water.
Boiling point (deg C).....	98°C .
Evaporation rate.....	1.0.
Flash point (deg C), method.....	-18°C (0°F) Closed Cup.
Auto ignition temperature (deg C).....	465°C (869°F).
Upper flammable limit (% vol).....	13%.
Lower flammable limit (% vol).....	2.6.
Coefficient of water/oil distribution.....	Not Available.
% Volatile by volume.....	100.
VOC.....	0.0 g/L - 0.0 lb/usg.

**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.....	By fire: Dense black smoke. Oxides of carbon (CO,CO2).
Hazardous polymerization.....	Hazardous polymerization will not occur.

**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/m3 8 hours rat inhalation	5,800 mg/kg rat oral
Route of entry .....	Eye contact. Skin contact. Inhalation.	
Effects of acute exposure.....	Breathing this material may be harmful. . Can cause moderate skin or eye irritation.	
Effects of chronic exposure.....	Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Prolonged or repeated skin contact may cause drying or cracking of skin. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal .	
Carcinogenicity of material.....	This product is not listed by NTP, IARC or NIOSH or regulated as a carcinogen by OSHA.	
Reproductive effects.....	None known.	

**SECTION 12: Ecological information**

Environmental.....	Do not allow to enter waters, waste water or soil.
Biodegradability.....	Not Available.

**SECTION 13: Disposal considerations**

Waste disposal.....	This material and its container must be disposed of as hazardous waste. Avoid release to the environment.
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**SECTION 14: Transport information**

TDG Classification.....	UN1263 - Paint Related Material - Class 3 - Packing Group II - This product meets the Limited Quantity exemption when packaged in containers less than 5 liters.
IATA Classification (Air).....	UN1263 - Paint Related Material - Class 3 - Packing Group II.
IMDG Classification (Marine).....	UN1263 - Paint Related Material - Class 3 - Packing Group II - EmS: F-E S-E.
Marine Pollutant.....	No.

**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 substances	None.

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SECTION 15: Regulatory information

Section 311/312 - hazard categories.....	Immediate health, delayed health, fire hazard.
Section 313.....	None.
EPA hazardous air pollutants (HAPS) ..... 40CFR63	None.
California Proposition 65.....	This product does not contain any chemical(s) known to the State of California to cause cancer or reproductive toxicity.

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: .....	APR 07/2016