



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

**PRODUCT: PF 511 ALL PURPOSE SURFACE CLEANER**
**Section 01: Chemical product and company identification**

Product name..... PF 511 ALL PURPOSE SURFACE CLEANER  
 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..... Surface cleaner. This product should not be used for any other purpose other than the  
 ones described in this section.  
 Chemical family..... Mixture.  
 Preparation date..... November 27, 2014.  
 Hazard rate  
 NFPA rating..... Health: 3 Fire: 4 Reactivity: 0.  
 HMIS..... H: 3 F: 4 R: 0.

**Section 02: Hazards identification**


Signal Word..... DANGER.  
 Hazard Classification..... Flammable Aerosol 1. Gas under pressure: Compressed Gas. Skin Irritant 2. Eye Irritant 2.  
 STOT SE 3.  
 Hazard Description..... H222 Extremely flammable aerosol . H280 Contains gas under pressure; may explode if  
 heated. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause  
 respiratory irritation.  
 Precautionary Statements..... 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 hands  
 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. . 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. P312 Call a poison center/doctor if you  
 feel unwell. P321 - Consult with a doctor or poison control centre if skin is itchy or a skin  
 rash develops or you feel unwell. P332 + P313 - If skin irritation occurs get medical  
 attention or advice. P337 + P313 - If eye irritation persists get medical attention. P362 +  
 P364 - Take off contaminated clothing and wash before reuse.  
 Storage..... P403 + P233 Store in a well ventilated area. Keep container tightly closed. P405 Store  
 locked up. P410 Protect from sunlight. P412 Do not expose to temperature exceeding 50C  
 / 122F.  
 Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

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

Hazardous Ingredients	CAS #	Wt. %
ISOBUTANE	75-28-5	5-10
2-BUTOXYETHANOL	111-76-2	5-10
TETRASODIUM EDTA	64-02-8	5-10
AMMONIUM HYDROXIDE	1336-21-6	0.1-1.0

**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.

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**Section 04: First aid measures**

Ingestion..... Do not induce vomiting. 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..... Carbon dioxide. Dry chemical. Foam. Water fog.

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. Closed containers are contained under pressure and may explode if exposed to excess heat for a prolonged period of time. Vapours are heavier than air and can collect in low lying areas. Vapours can travel to a source of ignition and flash back causing an explosion and fire.

**Section 06: Accidental release measures**

Leak/spill..... Wear recommended protective equipment. Evacuate all non-essential personnel. Ventilate. Eliminate all sources of ignition. Contain the spill. Use explosion-proof or hand pumps and non-sparking tools and equipment. Do not use combustible materials such as sawdust as an absorbant. Collect and contain in suitable containers. Prevent runoff into drains, sewers, and other waterways. 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**

Handling procedures..... Avoid breathing vapours or mist. Avoid skin and eye contact. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Keep away from heat, sparks, and open flame. Handle and open container with care. Use non sparking tools. Ground handling equipment. Prevent accumulation of electrostatic charges. Employees should wash hands and face before eating or drinking.

Storage needs..... Store in a cool, dry and well ventilated area. 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..... Use chemical safety goggles and full face shield when there is potential for eye contact.

Respiratory/type..... Local exhaust ventilation is recommended. In case of insufficient ventilation, wear suitable respiratory equipment. An approved air purifying respirator with organic vapour cartridges and particulate prefilter can be used to minimize exposure. Be sure to use NIOSH approved respirator or equipment. Do not exceed the use limits of the respirator.

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. Use local exhaust or general room ventilation sufficient to prevent overexposure.

Exposure limits

Ingredients	TWA	ACGIH TLV		PEL	OSHA PEL		REL	NIOSH
		STEL	STEL		STEL	STEL		
ISOBUTANE	Not established	Not established	Not established	Not established	Not established	Not established	800 ppm	
2-BUTOXYETHANOL	20 ppm	No data	No data	50 ppm (240 mg/m3)	No data	No data	5 ppm (24 mg/m3)	
TETRASODIUM EDTA	No data	No data	No data	No data	No data	No data	No data	
AMMONIUM HYDROXIDE	25 ppm	35 ppm	35 ppm	50 ppm	No data	No data	No data	

**PRODUCT: PF 511 ALL PURPOSE SURFACE CLEANER****Section 09: Physical and chemical properties**

Physical state.....	Aerosol.
Colour.....	Clear.
Odour.....	Fragrant.
Odour threshold (ppm).....	No data.
Vapour pressure (mm Hg).....	15-25 @ 20C.
Vapour density (air=1).....	>1.
pH.....	8.0.
Specific gravity.....	Liquid: 0.986lb/usg (0.118g/mL) Aerosol: 0.961 (0.115g/mL).
Freezing point (deg C).....	-2.
Solubility.....	Partially.
Boiling point (deg C).....	Liquid: 92°C.
Evaporation rate.....	<1.
Flash point (deg C), method.....	67 °C Closed Cup.
Auto ignition temperature (deg C).....	Propellant: 68 TCC.
Upper flammable limit (% vol).....	12.7.
Lower flammable limit (% vol).....	1.1.
Coefficient of water/oil distribution.....	No data.
% Volatile by weight.....	No data.
VOC.....	102 g/L - 0.85 lb/usg.
Viscosity.....	Not available.

**Section 10: Stability and reactivity**

Stability.....	Stable at normal temperatures and pressures.
Reactivity conditions.....	Avoid heat, sparks and flames. Avoid electrostatic discharge. High temperatures may cause thermal decomposition. Expected to be sensitive to static discharge when vapours in air are between the lower and upper explosive limits.
Incompatibility.....	Keep away from heat. Incompatible with strong oxidizers. Strong bases. Strong acids.
Hazardous products of decomposition.....	See hazardous combustion products.
Hazardous polymerization.....	Hazardous polymerization will not occur.

**Section 11: Toxicological information**

Route of entry .....	Eye contact. Skin contact. Inhalation. Skin absorption.
Effects of acute exposure.....	This product is harmful if inhaled or swallowed. Contact with eyes may cause irritation. Contact with skin may cause moderate to severe irritation. May cause frostbite. Ingestion is not a likely route of exposure. If ingested, however, this product may be absorbed and result in gastrointestinal irritation, nausea, vomiting, and diarrhea. 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. High vapour concentrations reduce oxygen available for breathing, resulting in asphyxiation.
Effects of chronic exposure.....	Repeated skin contact may result in defatting of the skin by the solvents in the product which can lead to redness and irritation of the skin. Prolonged or repeated exposure to this product may result in effects to the liver. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.
Carcinogenicity of material.....	The components of this product are not listed by IARC, NTP or regulated as a carcinogen by OSHA.
Reproductive effects.....	None.
Toxicological Data	

Ingredients	LC50-inh, rat	LD50-Oral, rat
ISOBUTANE	52 mg/L 1 hour mouse	No data
2-BUTOXYETHANOL	450 ppm 4 hr rat	470 mg/kg rat oral 400 mg/kg rabbit dermal
TETRASODIUM EDTA	No data	No data
AMMONIUM HYDROXIDE	No data	350 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.....	Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Dispose of as an industrial waste in a manner acceptable to good waste management practice and in accordance with applicable local, provincial/State or federal regulations.
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**PRODUCT: PF 511 ALL PURPOSE SURFACE CLEANER****Section 14: Transport information**

TDG Classification (Road).....	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.
IMDG Classification (Marine).....	UN1950 - AEROSOLS - Class 2.1 - EmS: F-D, S-U - Limited Quantity.
Marine Pollutant.....	Potential marine pollutant.
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.....	A. B5. 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 substances	None.
Section 311/312 - hazard categories.....	Immediate health, delayed health, fire hazard.
Section 313.....	Ammonium hydroxide.
EPA hazardous air pollutants (HAPS) 40CFR63	None.
TSCA inventory status.....	All components are listed.
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:.....	Regulatory Affairs