



Pro Form Products Ltd.  
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Milton, Ontario, L9T 3Y5  
Canada  
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**PRODUCT: PF 501 HEAVY DUTY SILICONE**

### SECTION 01: IDENTIFICATION

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

Product identifier..... PF 501 HEAVY DUTY SILICONE

Recommended use and restrictions on .. Lubricant.  
use

Chemical family..... Mixture.

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

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

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 \*\*.

### SECTION 02: HAZARD IDENTIFICATION



Signal Word..... DANGER.

Hazard Classification..... Flammable Aerosols — Category 1. Gases Under Pressure: Liquefied Gas. Aspiration Toxicity 1. Skin Irritation — Category 2. Specific Target Organ Toxicity — Single Exposure — Category 3. (narcotic effects).

Hazard Description..... H222 Extremely flammable aerosol. H229 Pressurized container: may burst if heated. H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H336 May cause drowsiness or dizziness.

Prevention..... 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 thoroughly after handling. P271 Use only outdoors or in a well ventilated area. P280 Wear protective gloves and eye protection.

Response ..... P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P331 Do NOT induce vomiting. 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. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. P321 - For specific treatment see section 4 on this SDS.

Storage..... P412 Do not expose to temperature exceeding 50°C / 122°F. P410 Protect from sunlight. P405 Store locked up. P403 + P233 Store in a well ventilated area. Keep container tightly closed.

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

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Naphtha (petroleum), hydrotreated light	64742-49-0	15-40
Propane	74-98-6	15-40
Isobutane	75-28-5	10-30
Alkanes, C9-11-iso-	68551-16-6	3-7
Siloxanes and Silicones, di-Me	63148-62-9	1-5

**PRODUCT: PF 501 HEAVY DUTY SILICONE****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.....	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.....	The main hazard from ingestion is aspiration of the liquid into the lungs. Do not induce vomiting. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical assistance as soon as possible. This product could cause chemical pneumonitis through aspiration of the product into the lungs following accidental ingestion.
Most important symptoms and effects, ..... whether acute or delayed	Harmful if swallowed, in contact with skin or if inhaled. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Causes skin irritation. May cause eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Additional information.....	Direct contact with eyes may cause temporary irritation. 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**

Suitable and unsuitable extinguishing media	"Alcohol" foam, CO <sub>2</sub> , dry chemical. In cases of larger fires, water spray should be used. Do not use water in a jet.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Carbon monoxide where combustion is incomplete. Hydrocarbon fumes and smoke.
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. 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 may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapour source. Closed container may explode under extreme heat.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Leak/spill.....	No action shall be taken involving any personal risk or without suitable training. Eliminate all sources of ignition. 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. Do not use combustible materials such as sawdust as an absorbant. Use explosion-proof or hand pumps and non-sparking tools and equipment. Collect and contain in suitable containers. 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.
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**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling.....	Keep away from heat, sparks, and open flame. 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. 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 breathing vapours or mist. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid skin and eye contact. Wear appropriate protective equipment. Handle and open container with care. Employees should wash hands and face before eating or drinking.
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks, and open flames. Keep container closed when not in use. Store in a cool, dry and well ventilated area. Store away from oxidizing and reducing materials. Store away from sunlight. Do not store above 50 deg C.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**PRODUCT: PF 501 HEAVY DUTY SILICONE****SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	OSHA PEL STEL	REL	NIOSH
Naphtha (petroleum), hydrotreated light	1640 mg/m <sup>3</sup> (heptane) 1100 ppm (IDLH)	Not established	Not established	Not established	Not established
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
Alkanes, C9-11-iso-	Not available		Not available		Not available
Siloxanes and Silicones, di-Me	No data	No data	No data	No data	No data

**Personal 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 and full faceshield if a splash hazard exists.
Gloves/ type.....	Chemical resistant gloves.
Clothing/type.....	Wear adequate protective clothes.
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**

Appearance/Physical state.....	Aerosol.
Colour.....	Colourless.
Odour.....	No data.
Odour threshold (ppm).....	Not available.
Vapour density (air=1).....	>1.
Vapour pressure (psig).....	65-85 psig @ 20C.
pH.....	Not applicable.
Relative Density (Specific Gravity).....	0.71 - 0.75. (Liquid) . 0.62 - 0.64. (Aerosol)
Melting / Freezing point (deg C).....	Not available.
Solubility.....	Negligible.
Initial boiling point / boiling range (deg C).....	94-98°C (201-208°F).
Evaporation rate.....	No data.
Flash point (deg C), method.....	-8. (ASTM D-56).
Auto ignition temperature (deg C).....	460 °C (propellant) .
Upper flammable limit (% vol).....	9.5.
Lower flammable limit (% vol).....	2.2.
Partition coefficient — n-octanol/water.....	Not available.
VOC (less water).....	No data.
Viscosity.....	Not available.

**SECTION 10: STABILITY AND REACTIVITY**

Chemical stability.....	Stable at normal temperatures and pressures.
Reactivity .....	Avoid open flames, sparks, heat, electrical and static discharge, storage at high temperatures. Expected to be sensitive to static discharge when vapours in air are between the lower and upper explosive limits. Explosive reactions can occur in the presence of strong oxidizing agents. Not expected to be sensitive to mechanical impact.
Possibility of hazardous reactions.....	Hazardous polymerization will not occur.
Conditions to avoid, including static discharge, shock or vibration .....	Keep away from heat. Incompatible with strong oxidizers.
Hazardous decomposition products.....	See hazardous combustion products section 5.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Naphtha (petroleum), hydrotreated light	73680 ppm 4 hours rat	>5000 mg/kg (oral, rat) >3160 mg/mg (dermal, rabbit)

**PRODUCT: PF 501 HEAVY DUTY SILICONE****SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Propane	>1,464 mg/L 15 minutes rat	Not available
Isobutane	52 mg/L 1 hour mouse	Not available
Alkanes, C9-11-iso-	Not available	Not available
Siloxanes and Silicones, di-Me	No data	No data
Route of exposure.....	Eye contact. Skin contact. Skin absorption. Inhalation.	
Effects of acute exposure.....	This product is harmful if inhaled or swallowed. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Contact with eyes may cause irritation. Contact with skin may cause moderate to severe irritation. Excessive inhalation of vapours can cause respiratory irritation, dizziness, headache, vomiting and unconsciousness. 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.	
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 regulated as a carcinogen by OSHA.	
Reproductive effects.....	No known reproductive effects.	
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.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Information on safe handling for disposal and methods of disposal, including any contaminated packaging	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 waste in accordance with all applicable Federal, Provincial/State and local regulations.
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**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.....	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**

CEPA status.....	On Domestic Substances List (DSL).
TSCA inventory status	
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.....	This product does not contain any chemical(s) known to the State of California to cause cancer or reproductive toxicity.

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**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.

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data sheet