



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

**PRODUCT: PF 505 SPRAYABLE ADHESIVE**
**Section 01: Chemical product and company identification**

Product name..... PF 505 SPRAYABLE ADHESIVE  
 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..... Adhesive applications. This product should not be used for any other purpose other than  
 the ones described in this section.  
 Chemical family..... Mixture. Polymer.  
 Preparation date..... November 20, 2014.  
 Hazard rate  
 NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.  
 HMIS..... H: 3 F: 4 R: 0.

**Section 02: Hazards identification**


Signal Word..... DANGER.  
 Hazard Classification..... Skin Irritant 2. Carcinogen 2. Flammable Aerosol 1. STOT SE 3. Eye Irritant 2. STOT RE 2.  
 Gas under pressure: Compressed Gas.  
 Hazard Description..... H225 Highly flammable liquid and vapour. H222 Extremely flammable aerosol . H280  
 Contains gas under pressure; may explode if heated. H315 Causes skin irritation. H319  
 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H351 This product  
 contains ingredients that are suspected of causing cancer. H373 May cause damage to the  
 liver and kidneys through prolonged or repeated contact.  
 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. P211 Do not spray on an open flame or other  
 ignition sources. 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. P251 Do not pierce or  
 burn container, even after use. P260 Do not breathe mist, vapours, or spray. P261 Avoid  
 breathing mists, vapours and sprays. P264 Wash thoroughly after handling. P270 Do not  
 eat drink or smoke while using this product. 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. P314 - Get medical advice/attention 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. 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. 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. %
METHYLENE CHLORIDE	75-09-2	30-60
HEXANE	110-54-3	15-40
AROMATIC HYDROCARBON RESIN	68410-16-2	7-13
SBR RUBBER	25038-32-8	7-13

**PRODUCT: PF 505 SPRAYABLE ADHESIVE****Section 03: COMPOSITION/INFORMATION ON INGREDIENTS**

PROPANE	74-98-6	7-13
ISOBUTANE	75-28-5	7-13
SYNTHETIC RESIN	64364-17-9	1-5
METHYL ETHYL KETONE	78-93-3	1-5

**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. If irritation persists, repeat flushing. Obtain medical attention immediately.
Skin contact.....	Immediately remove all contaminated clothing; flush skin with water for at least 15 minutes. Wash clothing before reuse. 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.....	Rinse mouth with water. Drink 1-2 glasses of milk to dilute the material. Water may be used instead, but is not as effective. Do not induce vomiting. 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. Obtain medical attention immediately.
Additional information.....	Treat victims symptomatically.

**Section 05: Fire fighting measures**

Extinguishing media.....	Carbon dioxide, dry chemical, foam. Water fog. In case of large fire, cool containers with water jet in order to prevent pressure build up, autoignition or explosion.
Hazardous combustion products.....	Oxides of carbon (CO, CO <sub>2</sub> ). Emits fumes and smoke. Chlorine compounds.
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.....	Wear recommended protective equipment. Eliminate all sources of ignition. Ventilate area to remove the remaining vapours. Do not use combustible materials such as sawdust as an absorbant. Use non-sparking tools and equipment to pick up the spilled material. 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**

Handling procedures.....	Avoid skin and eye contact. Avoid breathing vapours or mist. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Keep away from heat, sparks, and open flame. Ground handling equipment. Keep container closed when not in use.
Storage needs.....	Store in a cool, dry and well ventilated area. Keep away from heat, sparks, and open flames.

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

Protective equipment	
Eye/type.....	Chemical safety goggles. Chemical safety goggles and full faceshield if a splash hazard exists.
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits. 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.
Ventilation requirements.....	Local exhaust should be used to maintain levels below the exposure limits. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.
Other/type.....	Eye wash facility and emergency shower should be in close proximity.
Exposure limits	

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
METHYLENE CHLORIDE	No data	No data	No data	No data	No data	No data
HEXANE	No data	No data	No data	No data	No data	No data

**PRODUCT: PF 505 SPRAYABLE ADHESIVE****Section 08: Exposure controls / personal protection**

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
AROMATIC HYDROCARBON RESIN	No data	No data	No data	No data	No data
SBR RUBBER	No data	No data	No data	No data	No data
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
SYNTHETIC RESIN	No data	No data	No data	No data	No data
METHYL ETHYL KETONE	200 ppm	300 ppm	200 ppm	Not established	200 ppm / 300 ppm 15 minutes

**Section 09: Physical and chemical properties**

Physical state.....	Aerosol.
Colour.....	Yellow.
Odour.....	Ether .
Odour threshold (ppm).....	No data.
Vapour density (air=1).....	>1.
Vapour pressure (psig).....	70 @ 20C.
pH.....	No data.
Specific gravity.....	Liquid: 1.066 lb/usg (0.128 g/mL) - aerosol: 0.920 lb/usg (0.110 g/mL).
Freezing point (deg C).....	No data.
Solubility.....	Slightly soluble in water.
Boiling point (deg C).....	40°C (Liquid Start).
Evaporation rate.....	> 1.0. Greater than n-butyl acetate.
Flash point (deg C), method.....	-26°C (Hexane); Aerosol Flame Projection >15 cm to <100 cm.
Auto ignition temperature (deg C).....	No data.
Upper flammable limit (% vol).....	8.0.
Lower flammable limit (% vol).....	0.9%.
Coefficient of water/oil distribution.....	No data.
% Volatile by volume.....	>96.
VOC.....	3.14 lb/usg - 376 g/L.
Viscosity.....	No data.

**Section 10: Stability and reactivity**

Stability.....	Stable at normal temperatures and pressures.
Reactivity conditions.....	Avoid heat, sparks and flames.
Incompatibility.....	Strong oxidizers. Strong bases. Aluminum and some other reactive metals.
Hazardous products of decomposition.....	See hazardous combustion products.
Hazardous polymerization.....	Will not occur under normal temperature and pressure.

**Section 11: Toxicological information**

Route of entry .....	Eye contact. Skin contact. Skin absorption. Inhalation.
Effects of acute exposure.....	This product may be very harmful in case of eye contact, characterized by redness, watering and itching, which may be slow to heal. May cause slight corneal injury. Causes burning sensation of the skin. Causes respiratory tract irritation. Causes central nervous system effects such as headache, nausea, vomiting and weakness. May be harmful if absorbed through the skin.
Effects of chronic exposure.....	Reports have associated repeated or prolonged overexposure to solvents with permanent brain and nervous system damage. May cause skin defatting and dermatitis. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal .
Carcinogenicity of material.....	Methylene chloride is known to the State of California to cause cancer and developmental effects.
Reproductive effects.....	None.
Toxicological Data	

Ingredients	LC50-inh, rat	LD50-Oral, rat
METHYLENE CHLORIDE	Inhalation 14,400 ppm mouse 7 hours	1,600 mg/kg rat oral; 6,460 mouse dermal
HEXANE	48,000 ppm rat <4 hours	28,710 rat oral
AROMATIC HYDROCARBON RESIN	No data	No data
SBR RUBBER	No data	No data
PROPANE	>1,464 mg/L 15 minutes rat	No data
ISOBUTANE	52 mg/L 1 hour mouse	No data

**PRODUCT: PF 505 SPRAYABLE ADHESIVE****Section 11: Toxicological information**

Ingredients	LC50-inh, rat	LD50-Oral, rat
SYNTHETIC RESIN	No data	NOT AVAILABLE
METHYL ETHYL KETONE	>5,000 ppm 6 hours rat	3,400 mg/kg rat oral

**Section 12: Ecological information**

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

**Section 13: Disposal considerations**

Waste disposal..... 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. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.

**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. D1B. 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..... Hexane. Methylene Chloride (Dichloromethane).  
 EPA hazardous air pollutants (HAPS) ..... Hexane. Methylene Chloride (Dichloromethane).  
 40CFR63  
 TSCA inventory status..... All components are listed.  
 California Proposition 65..... This product contains Methylene Chloride (Dichloromethane) which is known to the state of California to cause cancer.

**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.  
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