



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

PRODUCT: PF 589 PRO PAK FV-16 UNIVERSAL BLEND FILLING SYSTEM

SECTION 01: IDENTIFICATION

Product identifier..... PF 589 PRO PAK FV-16 UNIVERSAL BLEND FILLING SYSTEM
Initial supplier identifier..... 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.
Recommended use and restrictions on .. Paint reducer.
use
Chemical family..... Mixture.
Hazard rating
NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.
HMIS..... H: 2 F: 4 R: 0.

SECTION 02: HAZARD IDENTIFICATION



Signal Word..... DANGER.
Hazard Classification..... Flammable Aerosols — Category 2. Aspiration Toxicity 2. Acute Toxicity 4. Specific
Target Organ Toxicity — Single Exposure — Category 3.
Hazard Description..... H223 Flammable aerosol . H302 Harmful if swallowed. H332 Harmful if inhaled. H335 May
cause respiratory 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. P270 Do not eat drink or smoke while using this product. P271 Use only
outdoors or in a well ventilated area.
Response P301 + P312 If swallowed call a poison control centre. P330 Rinse mouth. P304 + P340 - If
inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a
POISON CENTER/doctor if you feel unwell.
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 50°C
/ 122°F.
Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Acetone	67-64-1	60-70
Propane	74-98-6	20-25
Methyl Ethyl Ketone	78-93-3	5-10
Ethyl 3-Ethoxypropionate	763-69-9	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. Obtain medical attention.
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.

PRODUCT: PF 589 PRO PAK FV-16 UNIVERSAL BLEND FILLING SYSTEM**SECTION 04: FIRST-AID MEASURES**

Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, 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.

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

Suitable and unsuitable extinguishing media Carbon dioxide. Water fog. Dry chemical. Foam.

Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.

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.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak/spill..... Ventilate. Eliminate all sources of ignition. Evacuate all non-essential personnel. 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. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. Do not use combustible materials such as sawdust as an absorbant. 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

Precautions for safe handling..... 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.

Conditions for safe storage, including any incompatibilities 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. Do not store above 49C.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Acetone	250 ppm TLV CA ON: 500ppm (TWA); 750ppm (STEL)	500 ppm	1,000 ppm	Not established	250 ppm
Propane	1,000 ppm	Not established	1,000 ppm	Not established	1,000 ppm
Methyl Ethyl Ketone	200 ppm CA ON: 200ppm (TWA), 300ppm (STEL)	300 ppm	200 ppm	Not established	200 ppm TWA
Ethyl 3-Ethoxypropionate	Not established	Not established	Not established	Not established	Not established
Eye/type.....	Chemical safety goggles should be worn. Plastic face shields should be worn in addition to safety goggles for complete face protection.				
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.				
Gloves/ type.....	Not normally required. Gloves impervious to the material are recommended.				
Clothing/type.....	Wear adequate protective clothes.				
Footwear/type.....	Safety boots per local regulations.				
Other/type.....	Emergency showers and eye wash stations should be available.				
Appropriate engineering controls.....	Local exhaust at points of emission.				

PRODUCT: PF 589 PRO PAK FV-16 UNIVERSAL BLEND FILLING SYSTEM**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical state.....	Aerosol.
Colour.....	Clear, colourless.
Odour.....	Hydrocarbon odour.
Odour threshold (ppm).....	Not available.
Vapour pressure (mm Hg).....	75-80 psig @ 20c.
Vapour density (air=1).....	>1.
pH.....	Not applicable.
Relative Density (Specific Gravity).....	Liquid: 0.793 aerosol: 0.722.
Melting / Freezing point (deg C).....	-95°C (-139°F).
Solubility.....	Insoluble.
Initial boiling point / boiling range (deg C).....	136°C (276°F).
Evaporation rate.....	Slower than n-butyl acetate.
Flash point (deg C), method.....	< -104. Aerosol flame projection < 100 cm.
Auto ignition temperature (deg C).....	450°C.
Upper flammable limit (% vol).....	9.5.
Lower flammable limit (% vol).....	2.0.
Partition coefficient — n-octanol/water.....	Not available.
% Volatile by volume.....	100.
VOC (less water).....	209 g/l - 1.74 lb/usg.
Viscosity.....	Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents. Risk of bursting of closed containers due to an increase in pressure.
Chemical stability.....	Stable at normal temperatures and pressures.
Conditions to avoid, including static discharge, shock or vibration	Keep away from heat. Strong oxidizing agents, mineral acids, and alkalines.
Hazardous decomposition products.....	See hazardous combustion products section 5.
Possibility of hazardous reactions.....	Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS		LC50	LD50
Acetone		50,100 mg/m3 8 hours, rat	5,800 mg/kg (rat oral)
Propane		>1,464 mg/L 15 minutes rat	Not available
Methyl Ethyl Ketone		>5,000 ppm (6 hours, rat), 11000 ppm (45 minutes, mouse)	3,400 mg/kg (rat, oral), >8000 mg/kg (rabbit, dermal), 670 mg/kg (mouse, oral)
Ethyl 3-Ethoxypropionate		>998 ppm 6 hours	4,309 mg/kg rat oral 4,080 mg/kg rabbit dermal
Route of exposure.....		Eye contact. Skin contact. Skin absorption. Inhalation.	
Effects of acute exposure.....		Contact with eyes may cause irritation. Contact with skin may cause moderate to severe irritation. If ingested, this product may be absorbed and result in gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. 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.	
Effects of chronic exposure.....		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.	
Sensitizing capability of material.....		May cause sensitization by skin contact.	
Toxicological Data			

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 . This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.

PRODUCT: PF 589 PRO PAK FV-16 UNIVERSAL BLEND FILLING SYSTEM**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.
IMDG Classification (Marine)..... UN1950 - AEROSOLS - Class 2.1 - EmS: F-D, S-U - Limited Quantity.
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 1988 classification..... A. B5. D1B. D2B.
CEPA status..... On Domestic Substances List (DSL).
Section 313..... Methyl Ethyl Ketone.
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.
EPA hazardous air pollutants (HAPS) None.
40CFR63
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: 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