



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

PRODUCT: PF640C SUPER EXPRESS ONE COAT CLEAR 2:1 VOC

SECTION 01: Chemical product and company identification

Product name..... PF640C SUPER EXPRESS ONE COAT CLEAR 2:1 VOC
 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.
 Recommended use and restrictions on use.. Paints.
 Chemical family..... Polyacrylate.
 Hazard rating
 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. Single Target Organ Toxicity - Single Exposure 3. Eye Irritant 2. Skin Irritant 2. Acute Toxicity 4.
 Hazard Description..... H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. 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. P235 Keep cool. 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.

SECTION 03: Composition/Information on Ingredients

HAZARDOUS INGREDIENTS	CAS #	WT. %
Acrylic polymer	PROPRIETARY	15-40
Acetone	67-64-1	10-30
N-Butyl Acetate	123-86-4	10-30
4-Chlorobenzotrifluoride	98-56-6	7-13
tert-Butyl acetate	540-88-5	7-13
Ethyl Acetate	141-78-6	1-5
Methyl Isobutyl Ketone	108-10-1	1-5
Propylene Glycol Monomethyl Ether Acetate	108-65-6	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.
 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.

PRODUCT: PF640C SUPER EXPRESS ONE COAT CLEAR 2:1 VOC**SECTION 04: First aid measures**

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

Suitable and unsuitable extinguishing media "Alcohol" foam, CO₂, dry chemical.

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. Solvent vapours may be heavier than air and may build up and travel along the ground to an ignition source, which may result in a flash back to the source of the vapours. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture.

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		OSHA PEL	NIOSH
		STEL	REL		
Acrylic polymer	No data No data	No data	No data	No data	No data
Acetone	500 ppm	750 ppm	1,000 ppm	Not established	250 ppm
N-Butyl Acetate	150 ppm	200 ppm	150 ppm	200 ppm	150 ppm / STEL 200 ppm
4-Chlorobenzotrifluoride	Not established	Not established	Not established	Not established	Not established
tert-Butyl acetate	200 ppm	Not established	200 ppm	Not established	200 ppm
Ethyl Acetate	400 ppm	Not established	400 ppm	Not established	400 ppm
Methyl Isobutyl Ketone	50 ppm	75 ppm	100 ppm	Not established	50 ppm / STEL 75 ppm
Propylene Glycol Monomethyl Ether Acetate	Not established	Not established	Not established	Not established	Not established
Protective equipment					
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.				

PRODUCT: PF640C SUPER EXPRESS ONE COAT CLEAR 2:1 VOC**SECTION 08: Exposure controls / personal protection**

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. .

Exposure limits

SECTION 09: Physical and chemical properties

Physical state..... Liquid.
 Colour..... Clear.
 Odour..... Ketone odour.
 Odour threshold (ppm)..... Not available.
 Vapour pressure (mm Hg)..... Not available.
 Vapour density (air=1)..... >1.
 pH..... Not applicable.
 Melting / Freezing point (deg C)..... -40°C.
 Solubility..... Slightly soluble in water.
 Initial boiling point / boiling range (deg C)..... 98°C .
 Evaporation rate..... Moderate.
 Flash point (deg C), method..... -18°C (0°F) Closed Cup.
 Auto ignition temperature (deg C)..... > 200°C.
 Upper flammable limit (% vol)..... 12.6.
 Lower flammable limit (% vol)..... 0.9.
 Coefficient of water/oil distribution..... Not available.
 VOC..... 245.6 g/L - 2.05 lb/USG.

SECTION 10: Stability and reactivity

Chemical stability..... Stable at normal temperatures and pressures.
 Reactivity Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents.
 Conditions to avoid..... Keep away from heat. Incompatible with strong oxidizers.
 Hazardous decomposition products..... Oxides of carbon (CO,CO2).
 Possibility of hazardous reactions..... Will not occur under normal temperature and pressure.

SECTION 11: Toxicological information

INGREDIENTS	LC50	LD50
Acrylic polymer	No data	No data
Acetone	50,100 mg/m3 8 hours rat inhalation	5,800 mg/kg rat oral
N-Butyl Acetate	>29.2 mg/L 4 hour rat aerosol 4 hour rat	>3200 mg/kg rat oral >5000 mg/kg rabbit dermal
4-Chlorobenzotrifluoride	4479 ppm	>6,800 mg/kg rat oral; >2,700 mg/kg rabbit dermal
tert-Butyl acetate	>2,230 mg/m3 4 hours rat	4,100 mg/kg rat oral >2,000 mg/kg rabbit dermal
Ethyl Acetate	16,000 ppm 6 hours rat	5,600 mg/kg rat oral
Methyl Isobutyl Ketone	8.2 - 16.4 mg/L 4 hours rat	2080 mg/kg rat oral >16,000 mg/kg rabbit dermal
Propylene Glycol Monomethyl Ether Acetate	Not Available	8,532 mg/kg (rat oral) >5,000 mg/kg (rabbit dermal)
Route of entry	Eye contact. Skin contact. Inhalation.	
Effects of acute exposure.....	The aromatic hydrocarbon solvents in this product can be irritating to the eyes, nose and throat. In high concentration, they may cause central nervous system depression and narcosis characterized by nausea, lightheadedness and dizziness from overexposure by inhalation.	
Effects of chronic exposure.....	Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Contains an ingredient which caused reproductive effects in rats after repeated application of large amounts to skin. These effects have not been reported in humans. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal .	
Skin contact.....	Can cause moderate irritation, defatting and dermatitis.	

PRODUCT: PF640C SUPER EXPRESS ONE COAT CLEAR 2:1 VOC**SECTION 11: Toxicological information**

Skin absorption.....	Chronic skin exposure to solvents may cause effects similar to those identified under chronic inhalation.
Eye contact.....	Can cause redness, irritation, tissue destruction.
Inhalation (acute).....	Solvent vapours may be irritating to the eyes, nose and throat, resulting in redness, burning and itching of eyes, dryness of the throat and tightness in the chest. Breathing of high vapour concentrations may cause anesthetic effects and serious health effects.
Inhalation (chronic).....	Chronic exposure to organic solvent vapors have been associated with various neurotoxic effects including permanent brain and/or nervous system damage, kidney, liver, blood damage and reproductive effects among women. Symptoms may include nausea, vomiting, abdominal pain, headache, impaired memory, loss of coordination, insomnia and breathing difficulties. Excessive inhalation of vapours can cause respiratory irritation, dizziness, headache, nausea and asphyxiation.
Ingestion.....	Aspiration of material into lungs can cause chemical pneumonitis which can be fatal. May be harmful or fatal if swallowed.
Carcinogenicity of material.....	Methyl Isobutyl Ketone is possibly carcinogenic to humans (Group 2B).
Reproductive effects.....	No data.
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

Waste disposal.....	Empty containers must be handled with care due to product residue. 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 - Class 3 - Packing Group II - This product meets limited quantity exemption when shipped in containers less than 5 litres.
IATA Classification (Air).....	UN1263 - PAINT - Class 3 - Packing Group II.
IMDG Classification (Marine).....	UN1263 - Paint - Class 3 - Packing Group II - EmS: F-E S-E.
Marine Pollutant.....	No.

SECTION 15: Regulatory information

WHMIS 1988 classification.....	B2, 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 substances.....	None.
Section 311/312 - hazard categories.....	Immediate health, delayed health, fire hazard.
Section 313.....	Methyl Isobutyl Ketone.
EPA hazardous air pollutants (HAPS).....	Methyl Isobutyl Ketone.
40CFR63	
TSCA inventory status.....	All components are listed.
California Proposition 65.....	This product contains Methyl Isobutyl Ketone (MIBK) known to the State of California to cause cancer and reproductive effects.

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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