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

PRODUCT: 19142 GENERAL PURPOSE THINNER U.S. QUART

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.....	19142 GENERAL PURPOSE THINNER U.S. QUART
Recommended use and restrictions on use ..	Paint thinner.
Chemical family.....	Mixture.
NFPA rating.....	Health: 3 Fire: 3 Reactivity: 1.
HMIS.....	H: 3 F: 3 R: 1.
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 Liquid 2. Aspiration Toxicity 1. Acute Toxicity (Oral) — Category 3. Acute Toxicity (Dermal) — Category 3. Acute Toxicity (Inhalation) — Category 3. Skin Irritation — Category 2. Eye Irritation — Category 2A. Specific Target Organ Toxicity — Single Exposure — Category 3. (respiratory system). Germ Cell Mutagenicity 1. Carcinogenicity — Category 1. Reproductive Toxicity — Category 1. Specific Target Organ Toxicity — Single Exposure — Category 1. Specific Target Organ Toxicity — Repeated Exposure — Category 2.
Hazard Description.....	H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H301 Toxic if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H340 May cause genetic defects. H350 This product contains ingredients that may cause cancer. H360 May damage fertility or the unborn child. H370 Causes damage to organs. H370 Causes damage to the liver and kidneys. H373 May cause damage to organs through prolonged or repeated exposure.
Prevention.....	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. 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. P260 Do not breathe mist, vapours, or spray. 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	P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P330 Rinse mouth. P331 Do NOT induce vomiting. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P308 + P313 If exposed or concerned, get medical advice/attention. P302 + P352 - If on skin: wash with plenty of water. P361 + P364 Take off immediately all contaminated clothing and wash it before reuse. P332 + P313 - If skin irritation occurs get medical attention or advice. 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. P337 + P313 - If eye irritation persists get medical attention. P308 + P311 If exposed or concerned; call a poison center or doctor. P321 - For specific treatment see section 4 on this SDS.
Storage.....	P405 Store locked up. P403 + P235 Store in well ventilated area. Keep cool. P233 Keep container tightly closed.
Disposal.....	P501 Dispose all unused, waste or empty containers in accordance with local regulations.

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SECTION 02: HAZARD IDENTIFICATION

Note ..... This product mixture has been classified based on its ingredients.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Methanol	67-56-1	25-35
Toluene	108-88-3	10-30
Acetone	67-64-1	10-30
Methyl Ethyl Ketone	78-93-3	5-15
Ethyl Acetate	141-78-6	7-13
n-Butyl Acetate	123-86-4	0-10
N-methyl pyrrolidone	872-50-4	0-10
Xylene	1330-20-7	0-10

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.

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.

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 and eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Methyl alcohol: The intoxication begins with central nervous system depression resulting in narcosis, followed by an asymptomatic latency period that usually lasts 12 to 24 hours. Metabolic acidosis sets in and symptoms such as headache, dizziness, nausea and vomiting appear. This is followed, in more serious cases, by abdominal and muscular pains as well as breathing difficulties. There are also disorders such as blurred vision, photophobia, impaired pupillary reflex and eye pain. This product contains ingredients that are suspected of damaging fertility or the unborn child. This product contains ingredients that may cause cancer.

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, CO_2, dry chemical. In cases of larger fires, water spray should be used. Do not use water in a jet.

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..... Vapours may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapour source.

Specific hazards arising from the ..... hazardous product, such as the nature of any hazardous combustion products: Oxides of carbon (CO, CO_2). Oxides of nitrogen. Formaldehyde. Hydrocarbon fumes and smoke.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak/spill..... Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. Evacuate all non-essential personnel. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. Use non-sparking tools and equipment to pick up the spilled material. Scrape or shovel into 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. 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 all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid breathing vapours or mist. Handle and open container with care. Employees should wash hands and face before eating or drinking.

Conditions for safe storage, including any incompatibilities Keep container closed when not in use. Store away from all sources of heat and ignition. Store away from oxidizing and reducing materials. Store away from sunlight.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL PEL	OSHA PEL STEL	NIOSH REL
Methanol	200 ppm	250 ppm skin	200 ppm	Not established	200 ppm / STEL 250 ppm
	CA ON: 200 ppm (TWA), 250 ppm (STEL)				
Toluene	20 ppm	Not established	200 ppm	500 ppm 10 minutes	100 ppm / STEL 150 ppm
	CA ON: TWA: 20 ppm				
Acetone	250 ppm TLV	500 ppm	1,000 ppm	Not established	250 ppm
	CA ON AB: 500ppm (TWA); 750ppm (STEL)				
Methyl Ethyl Ketone	200 ppm	300 ppm	200 ppm	Not established	200 ppm TWA
	CA ON: 200ppm (TWA), 300ppm (STEL)				
Ethyl Acetate	400 ppm	Not established	400 ppm	Not established	400 ppm
	CA ON: 400 ppm (TWA)				
n-Butyl Acetate	50 ppm	150 ppm	150 ppm	200 ppm	150 ppm / STEL 200 ppm
	CA ON: 50ppm (TWA), 150ppm (STEL)				
N-methyl pyrrolidone	Not Established	Not Established	Not Established	Not Established	Not Established
Xylene	50 ppm	150 ppm	100 ppm TWA	Not established	Not established
	CA ON: 100ppm (TWA); 150ppm (STEL)				

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. Chemical safety goggles and full faceshield if splash hazard exists.

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.

Appropriate engineering controls..... Explosion-proof exhaust ventilation. Local exhaust should be used to maintain levels below the exposure limits.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state..... Liquid.

Colour..... Clear, colourless.

Odour..... Solvent odour.

Odour threshold (ppm)..... Not available.

Vapour pressure (mm Hg)..... No data.

Vapour density (air=1)..... >1.

pH..... Not applicable.

Relative Density (Specific Gravity)..... 7.04 lbs/USG; 0.843.

Melting / Freezing point (deg C)..... Not available.

Solubility..... Moderate.

Initial boiling point / boiling range (deg C). > 57 C.

Evaporation rate..... No data.

Flash point (deg C), method..... -9 °C. (estimated).

Auto ignition temperature (deg C)..... 270.

Upper flammable limit (% vol)..... 36.

Lower flammable limit (% vol)..... 1.3.

Partition coefficient — n-octanol/water..... Not available.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

% Volatile by volume	100.
VOC (less water)	7.04 lbs/USG.
Viscosity	Zahn # 2 mix visc 13.0 sec.

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.
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. Acids. Bases. Amines. Avoid:. Natural rubber. Butyl rubber. Neoprene.
Hazardous decomposition products	Oxides of carbon (CO,CO2). Formaldehyde. Dense black smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Methanol	128.2 mg/L, 4h rat	420 mg/kg (oral); 5,628 mg/kg (rat oral); 15,800 mg/kg (rabbit dermal)
Toluene	8000ppm (rat inhalation) 400ppm mouse (inhalation 24hr)	5,000 mg/kg (rat ora)l; 12,124 mg/kg (rabbit dermal)
Acetone	50,100 mg/m3 8 hours, rat	5,800 mg/kg (rat oral)
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 Acetate	16,000 ppm 6 hours rat	5,600 mg/kg (rat oral)
n-Butyl Acetate	>33 mg/L vapour, 5.2 mg/L (rat) dust/mist	10760 mg/kg (rat, oral) 14112 mg/kg (rabbit, dermal)
N-methyl pyrrolidone	No Data	3600 mg/kg (oral, rat)
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral

Route of exposure	Eye contact. Skin contact. Inhalation.
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.
Eye contact	Can cause redness, irritation, tissue destruction.
Inhalation (acute)	Excessive inhalation of vapours can cause respiratory irritation, dizziness, headache, vomiting and unconsciousness. Can be fatal if inhaled.
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.
Ingestion	May be harmful or fatal if swallowed. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.
Skin contact	Can cause moderate irritation, defatting and dermatitis.
Skin absorption	May be harmful if absorbed through the skin.
Carcinogenicity of material	Methyl Isobutyl Ketone is possibly carcinogenic to humans (IARC Group 2B). Xylene has been listed by IARC as a Group 3; not classifiable as to its carcinogenicity to humans. IARC has classified Toluene as a Group 3 (Not classifiable as to its carcinogenicity to humans); ACGIH has classified Toluene as a Group A4 (Not classifiable as a human carcinogen).
Reproductive effects	Reproductive toxicity (developmental): N-methyl pyrrolidone. Methanol is teratogenic and embryotoxic in animals. High level exposure to Xylene in some animal studies have been reported to cause health effects on the developing embryo/fetus. The relevance of this to humans is not known. Toluene is fetotoxic in rats and mice at maternally toxic levels. Prolonged and repeated exposure of pregnant animals (>1500 ppm) to Toluene have been reported to cause adverse fetal developmental effects.
Specific Target Organ Toxicity	Causes damage to organs.

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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	Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations.

SECTION 14: TRANSPORT INFORMATION

TDG Classification.....	UN1992 - Flammable Liquid, Toxic, NOS (Acetone, Methanol) - Class 3(6.1) - Packing Group II - Limited Quantity Index 1L.
DOT Classification (Road).....	UN1992 - Flammable Liquid, Toxic, NOS (Acetone, Methanol) - Class 3(6.1) - Packing Group II - Limited Quantity 1L (0.26 gal).
IATA Classification (Air).....	UN1992 - Flammable Liquid, Toxic, NOS (Acetone, Methanol) - Class 3(6.1) - Packing Group II - Packing Instruction Y341 (1L); 352 (1L) or 364 (60L). Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1992 - Flammable Liquid, Toxic, NOS (Acetone, Methanol) - Class 3(6.1) - Packing Group II - F-E,S-D. Limited Quantity. Check IMDG regulations for limited quantity exemptions.
Marine Pollutant.....	No.
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.....	All components are listed.
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.....	Methanol. N-methyl pyrrolidone (nmp). Toluene. Xylene.
EPA hazardous air pollutants (HAPS) 40CFR63	Methanol. Methyl Ethyl Ketone. N-Methyl-2-pyrrolidone. Toluene. Xylene.
California Proposition 65.....	This product contains Toluene known to the State of California to cause (developmental) reproductive toxicity and cancer. This product contains Methanol known to the State of California to cause developmental reproductive toxicity.

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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Date of the latest revision of the safety .. data sheet	2018-01-05