



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

PRODUCT: 19400 ENCLOSED GUN WASH U.S. GALLON

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..... 19400 ENCLOSED GUN WASH U.S. GALLON
Recommended use and restrictions on .. Spray gun wash.
use
Chemical family..... Mixture.
NFPA rating..... Health: 3 Fire: 1 Reactivity: 0.
HMIS..... H: 3 F: 1 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 Liquid 2. Acute Toxicity 3. Skin Irritation — Category 2. Eye Irritant 2. Germ Cell Mutagenicity 1B. Carcinogen 1B. Reproductive 1B. Specific Target Organ Toxicity — Single Exposure — Category 1. Specific Target Organ Toxicity — Repeated Exposure — Category 2. Aspiration Toxicity 1.
Hazard Description..... H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H311 Toxic in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H331 Toxic if inhaled. 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. H373 May cause damage to the liver and kidneys through prolonged or repeated contact. H304 May be fatal if swallowed and enters airways.
Prevention..... P201 Obtain special instructions before use. P202 Do not handle this product until all safety instructions have been read and understood. P280 Wear protective gloves and eye protection. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well ventilated area. P260 Do not breathe mist, vapours, or spray.
Response P321 - For specific treatment see section 4 on this SDS. P308 + P311 If exposed or concerned; call a poison center or doctor. 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. P302 + P352 - If on skin: wash with plenty of water. P312 Call a POISON CENTER/doctor if you feel unwell. P361 + P364 Take off immediately all contaminated clothing and wash it 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. P311 Call a POISON CENTRE or doctor. P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P301 + P330 + P331 If Swallowed: Rinse mouth. Do NOT induce vomiting.
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.

PRODUCT: 19400 ENCLOSED GUN WASH U.S. GALLON**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Methanol	67-56-1	30-40
Toluene	108-88-3	20-30
Acetone	67-64-1	20-30
n-Butyl Acetate	123-86-4	0-10
N-methyl pyrrolidone	872-50-4	0-10
Xylene	1330-20-7	0-10
Methyl Ethyl Ketone	78-93-3	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. Methyl alcohol is moderately irritating to the eyes and mildly irritating to the skin. Its vapor is irritating to the eyes and upper respiratory tract. After repeated or prolonged contact, this product exerts a degreasing action on the skin. It may cause redness, scaling and cracking. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
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	Use extinguishing media that is applicable to surrounding fire.
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.
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. 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. Keep run-off water from entering sewers and other waterways. Dike for water control.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak/spill.....	Evacuate all non-essential personnel. Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. 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%). 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.

PRODUCT: 19400 ENCLOSED GUN WASH U.S. GALLON**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
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)				
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)				
Methyl Ethyl Ketone	200 ppm	300 ppm	200 ppm	Not established	200 ppm TWA
	CA ON: 200ppm (TWA), 300ppm (STEL)				

Personal Protective Equipment

Eye/type.....	Liquid chemical 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.
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.....	Local exhaust at points of emission. Ventilation system must be designed vapor and explosion proof for handling solvent vapors.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state.....	Liquid.
Colour.....	Clear, colourless.
Odour.....	Alcohol odour.
Odour threshold (ppm).....	Not available.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	No data.
pH.....	Not applicable.
Relative Density (Specific Gravity).....	0.8340.
Melting / Freezing point (deg C).....	Not available.
Solubility.....	Soluble in Water.
Initial boiling point / boiling range (deg C).....	> 57 C.
Evaporation rate.....	Not available.
Flash point (deg C), method.....	-1. (Tag Closed Cup).
Auto ignition temperature (deg C).....	270.
Upper flammable limit (% vol).....	36.
Lower flammable limit (% vol).....	1.3.
Partition coefficient — n-octanol/water.....	Not available.
% Volatile by volume.....	100.
VOC (less water).....	6.92 lbs/USG – 829.22 g/L.
Viscosity.....	Not available.

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. Reducing agents. Alkalis. Peroxides. Avoid contact with;. Natural rubber. Butyl rubber. Neoprene.
Hazardous decomposition products.....	Oxides of carbon (CO,CO2). Nitrogen oxides. Formaldehyde. Dense black smoke.

PRODUCT: 19400 ENCLOSED GUN WASH U.S. GALLON**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); 12,124 mg/kg (rabbit dermal)
Acetone	50,100 mg/m3 8 hours, rat	5,800 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
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)

Route of exposure.....	Eye contact. Skin contact. Inhalation.
Skin contact.....	Can cause moderate irritation, defatting and dermatitis. Contains an ingredient that:. Toxic in contact with skin.
Skin absorption.....	May be harmful if absorbed through the skin.
Eye contact.....	Can cause redness, irritation, tissue destruction.
Inhalation (acute).....	Harmful if inhaled. Excessive inhalation of vapours can cause respiratory irritation, dizziness, headache, vomiting and unconsciousness.
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.
Effects of acute exposure.....	Single exposure:. Causes damage to organs.
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.....	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). Xylene has been listed by IARC as a Group 3; not classifiable as to its carcinogenicity to humans. Acetone may contain trace amounts of benzene, a chemical known to cause cancer.
Reproductive effects.....	Reproductive toxicity (developmental): N-methyl pyrrolidone. Methanol is teratogenic and embryotoxic in animals. 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. 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. In one study, Methyl Ethyl Ketone has been found to cause embryol toxicity in large concentrations.
Sensitizing capability of material.....	None reported.

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

PRODUCT: 19400 ENCLOSED GUN WASH U.S. GALLON**SECTION 14: TRANSPORT INFORMATION**

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.
 IMDG Classification (Marine)..... UN1992 - Flammable Liquid, Toxic, NOS (Acetone, Methanol) - Class 3(6.1) - Packing Group II - F-E,S-D. Limited Quantity.
 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

WHMIS 1988 classification..... B2. D1B. D2A. D2B.
 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 None.
 substances
 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) Methanol. Methyl Ethyl Ketone. N-Methyl-2-pyrrolidone. Toluene. Xylene.
 40CFR63
 California Proposition 65..... *** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause birth defects or other reproductive harm. (Methanol). (N-methyl pyrrolidone (nmp)). (Toluene). For more information, go to www.P65Warnings.ca.gov.

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