



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

**PRODUCT: 19390 DENATURED ALCOHOL**

### 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..... 19390 DENATURED ALCOHOL

Recommended use and restrictions on .. Coatings.  
use

Chemical family..... Alcohol. 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 4. Skin Irritation — Category 2. Eye Irritant 2. Acute Toxicity 3. Specific Target Organ Toxicity — Single Exposure — Category 1.

Hazard Description..... H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H311 Toxic in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H331 Toxic if inhaled. H370 Causes damage to organs.

Prevention..... 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. P280 Wear protective gloves and eye protection. 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 ..... P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P301 + P312 If swallowed call a poison control centre. P330 Rinse mouth. 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. P362 + P364 - Take off contaminated clothing and wash before reuse. 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. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P311 Call a POISON CENTRE or doctor. P321 - For specific treatment see section 4 on this SDS.

Storage..... P403 + P235 Store in well ventilated area. Keep cool. P405 Store locked up. P233 Keep container tightly closed.

Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

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

### SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Ethyl Alcohol	64-17-5	80-90
Methanol	67-56-1	10-20
Ethyl Acetate	141-78-6	0-10

**PRODUCT: 19390 DENATURED ALCOHOL**

**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..... Immediately flush skin with plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse. Obtain 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. Give 1 to 2 glasses of water to drink. 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. Get medical attention.

Most important symptoms and effects, ..... Harmful if swallowed, in contact with skin or if inhaled. Causes skin and eye irritation. whether acute or delayed 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. 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.

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. See sections 2 and 11.

**SECTION 05: FIRE-FIGHTING MEASURES**

Suitable extinguishing media..... Use extinguishing media that is applicable to surrounding fire.

Special protective equipment and ..... Firefighter should be equipped with self-contained breathing apparatus and full protective precautions for fire-fighters 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 ..... Oxides of carbon (CO, CO2). Formaldehyde. hazardous product, such as the nature of any hazardous combustion products

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective ..... Ventilate area, eliminate all sources of ignition, sound alarm, avoid all skin and eye contact equipment and emergency procedures and avoid breathing vapours. Isolate area and keep unauthorized people away. Do not walk through spilled material. Wear recommended protective equipment. Ventilate. Open windows and doors to allow air circulation. Dike area to prevent spreading. The use of absorbent socks or spill pillows may be required. Stop leak if safe to do so. Prevent runoff into drains, sewers, and other waterways.

Methods and materials for containment ..... Dike area to contain the spill, prevent runoff from going into drains, absorb residual and cleaning up material with an inert absorbent, shovel or pump to a properly labelled container and dispose of as a hazardous waste.

**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling..... Keep away from heat, sparks, and open flame. Ground handling equipment. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. 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 ..... Store away from all sources of heat and ignition. Store in a cool, dry and well ventilated incompatibilities area. Keep container closed when not in use.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Ethyl Alcohol	1,000 ppm	Not established	1,000 ppm	Not established	1,000 ppm	
	CA ON: 1,000 ppm (STEL)					

**PRODUCT: 19390 DENATURED ALCOHOL****SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	ACGIH TLV		PEL	OSHA PEL		REL	NIOSH
	TWA	STEL		STEL	STEL		
Methanol	200 ppm	250 ppm skin	200 ppm	Not established	Not established	200 ppm / STEL 250 ppm	
	CA ON: 200 ppm (TWA), 250 ppm (STEL)						
Ethyl Acetate	400 ppm	Not established	400 ppm	Not established	Not established	400 ppm	
	CA ON: 400 ppm (TWA)						
Eye/type.....	Liquid chemical goggles. Chemical safety goggles and full faceshield if a splash hazard exists.						
Gloves/ type.....	Chemical resistant gloves. Butyl rubber. Neoprene. Natural rubber.						
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.						
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 should be used to maintain levels below the exposure limits. Avoid breathing mists; if general ventilation or local exhaust is inadequate, persons exposed to mists should wear approved breathing devices. 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.
pH.....	Not available.
Melting / Freezing point (deg C).....	No data.
Initial boiling point / boiling range (deg C).....	75.6 C.
Flash point (deg C), method.....	12°C closed cup. (ASTM D-56).
Evaporation rate.....	1.8.
Flammability (solids and gases).....	Not applicable. Flammable liquid.
Upper flammable limit (% vol).....	36.
Lower flammable limit (% vol).....	2.2.
Vapour pressure (mm Hg).....	No data.
Vapour density (air=1).....	No data.
Relative Density (Specific Gravity).....	6.58 lbs/USG; 0.788.
Solubility.....	In Water;. Completely soluble.
Partition coefficient — n-octanol/water.....	Not available.
Auto ignition temperature (deg C).....	385°C (725°F).
Decomposition temperature.....	Not available.
Viscosity.....	13-15" Zahn #2.
VOC LBS/GAL less water.....	6.58 lbs/USG.
% Volatile by volume.....	100.

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity .....	Avoid heat, sparks and flames.
Chemical stability.....	Stable at normal temperatures and pressures.
Possibility of hazardous reactions.....	Hazardous polymerization will not occur.
Conditions to avoid, including static .....	Incompatible with strong oxidizers. Keep away from heat. Ignition sources.
discharge, shock or vibration	
Incompatible materials.....	Strong oxidizing agents, acids, bases. Strong oxidizing agents.
Hazardous decomposition products.....	Oxides of carbon (CO,CO2). Dense black smoke.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Ethyl Alcohol	20,000 ppm 10 hours rat	3,400 mg/kg oral mouse
Methanol	128.2 mg/L, 4h rat	420 mg/kg (oral); 5,628 mg/kg (rat oral); 15,800 mg/kg (rabbit dermal)
Ethyl Acetate	16,000 ppm 6 hours rat	5,600 mg/kg (rat oral)

**PRODUCT: 19390 DENATURED ALCOHOL****SECTION 11: TOXICOLOGICAL INFORMATION**

Acute Toxicity Estimate (ATE).....	ATE mix (oral): . 671 mg/kg. ATE mix (dermal):. 318 mg/kg. ATE mix (inhalation):. 0.53 mg/L.
Route of exposure.....	Eye contact. Skin contact. Inhalation. Skin absorption.
Effects of acute exposure.....	Hazardous in contact with skin, by ingestion, and by inhalation. Causes serious eye irritation. Can cause moderate skin irritation, defatting and dermatitis. May be harmful if absorbed through the skin. Methyl alcohol is rapidly absorbed by inhalation. Breathing of high vapour concentrations may cause anesthetic effects and serious health effects. Inhalation of high vapour may cause central nervous system effects, dizziness, headache, nausea, or loss of coordination. Regardless of the route of exposure, methyl alcohol is easily and uniformly distributed in all organs and tissues, in direct relation to their water content, the maximum concentration being found in the blood. Studies in animals have shown significant concentrations in the muscles, kidneys, gastrointestinal tract, lungs, brain and liver. .
Effects of chronic exposure.....	Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. Methyl alcohol: A study was carried out among workers operating copying machines based on methanol (purity of 99%). Workers' exposure ranged from 1 hour per day, 1 day a week to 8 hours a day, 5 days a week, for 3 years. The methanol concentrations were between 365 and 3080 ppm. Headache, dizziness, nausea and blurred vision have been reported. In another study, severe and recurrent headaches were reported in workers exposed to concentrations ranging from 200 to 375 ppm.
Carcinogenicity of material.....	Ethyl Alcohol is classified as an A3 known animal carcinogen and is listed by IARC in Group 1.
Reproductive effects.....	Methanol is teratogenic and embryotoxic in animals.
Sensitizing capability of material.....	None known.

**SECTION 12: ECOLOGICAL INFORMATION**

Environmental..... Do not allow to enter waters, waste water or soil.

**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.

**SECTION 14: TRANSPORT INFORMATION**

TDG Classification.....	UN1986 - ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (Ethanol), Class 3(6.1), PG II. Limited Quantity exemption when packaged in containers less than 1 litre.
DOT Classification (Road).....	UN1986 - ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (Ethanol), Class 3(6.1), PG II. Ltd Qty (1 Liter/0.26 Gallons).
IATA Classification (Air).....	UN1986 - ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (Ethanol), Class 3(6.1), PG II. Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1986 - ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (Ethanol), Class 3(6.1), PG II. 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**

CEPA status.....	On Domestic Substances List (DSL).
TSCA inventory status.....	All components are either listed or exempt from the TSCA. .
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.....	Ethyl acetate. Methanol.
EPA hazardous air pollutants (HAPS) .....	Methanol.
40CFR63	
California Proposition 65.....	*WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**SECTION 16: OTHER INFORMATION**

Prepared by: ..... REGULATORY AFFAIRS.  
Telephone number:..... (800) 387-7981.

**PRODUCT: 19390 DENATURED ALCOHOL****SECTION 16: OTHER INFORMATION**

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