



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

PRODUCT: PF 578 LACQUER TOOL & EQUIPMENT CLEANER - 390G

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..... PF 578 LACQUER TOOL & EQUIPMENT CLEANER - 390G

Recommended use and restrictions on .. Lacquer thinner.
use

Chemical family..... Solvent blend.

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 Aerosols — Category 1. Gas under pressure: Compressed Gas. Aspiration Toxicity 1. Serious Eye Damage/Eye Irritation — Category 2A. Skin Corrosion/Irritation — Category 3. Specific Target Organ Toxicity — Single Exposure — Category 3.

Hazard Description..... H222 Extremely flammable aerosol. H229 Pressurized container: may burst if heated. H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H316 Causes mild skin irritation. H319 Causes serious eye irritation. 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. P271 Use only outdoors or in a well ventilated area. P280 Wear protective gloves and eye protection.

Response P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. 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. P312 Call a POISON CENTER/doctor if you feel unwell. P331 Do NOT induce vomiting. P332 + P313 - If skin irritation occurs get medical attention or advice. P337 + P313 - If eye irritation persists get medical attention.

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.

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

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Acetone	67-64-1	80-100
Carbon dioxide	124-38-9	5-10
Naphtha (petroleum), hydrotreated light	64742-49-0	3-7
Isopropyl Alcohol	67-63-0	3-7

<<The actual concentration(s) withheld as a trade secret>> .

PRODUCT: PF 578 LACQUER TOOL & EQUIPMENT CLEANER - 390G**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 contaminated clothing and launder before reuse. Rinse skin for 15-20 minutes. 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. Do not give adrenaline, epinephrine or similar drugs following exposure to this product.
Ingestion.....	If ingestion is suspected, contact physician or poison control center immediately. Do not induce vomiting. Rinse mouth with water. 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	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Aspiration hazard. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain.
Additional information.....	Provide general supportive measures. Treat victims symptomatically. In case of shortness of and special treatment needed breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed. 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 extinguishing media.....	Carbon dioxide. Dry chemical. Foam. Water fog. Water spray.
Unsuitable extinguishing media.....	Do not use solid water streams or water jet.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Contents under pressure. Pressurized container may explode when exposed to heat or flame. .
Special protective equipment and precautions for fire-fighters	Extremely flammable aerosol. 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. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. . Keep run-off water from entering sewers and other waterways. Dike for water control.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	No action shall be taken involving any personal risk or without suitable training. Evacuate personnel to a safe area. Keep unnecessary and unprotected personnel from entering spill area and upwind from spill area. Do not touch spilled material. Avoid breathing vapours. Wear appropriate personal protection equipment.
Environmental precautions.....	Do not allow product to leak into drains or waterways. If spill does contaminate waterways then inform authorities.
Methods and materials for containment and cleaning up	Contain spilled material and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling.....	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Ground handling equipment. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid breathing vapours or mist. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated skin contact. Use in well ventilated areas. Employees should wash hands and face before eating, drinking or smoking.
Conditions for safe storage, including any incompatibilities	Store locked up. Pressurized container. Store away from sunlight. Do not store above 50 deg C. Do not puncture, incinerate or crush container. Store away from all sources of heat and ignition. Keep container closed when not in use. Store away from incompatible materials.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

PRODUCT: PF 578 LACQUER TOOL & EQUIPMENT CLEANER - 390G**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	ACGIH TLV		PEL	OSHA PEL		NIOSH
	TWA	STEL		STEL	REL	
Acetone	250 ppm TLV CA ON AB: 500ppm (TWA); 750ppm (STEL)	500 ppm	1,000 ppm	Not established		250 ppm
Carbon dioxide	5000 ppm	30000 ppm	5000 ppm	No data		5000 ppm 10 hours STEL 30000 ppm 15 minutes
Naphtha (petroleum), hydrotreated light	1640 mg/m3 (heptane) 1100 ppm (IDLH)	Not established	Not established	Not established		Not established
Isopropyl Alcohol	200 ppm CA ON: 200 ppm (TWA), 400 ppm (STEL)	400 ppm	400 ppm (TWA)	500 ppm		400 ppm
Appropriate engineering controls.....	Local exhaust should be used to maintain levels below the exposure limits.					
Respiratory/type.....	Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.					
Eye/type.....	Safety glasses with side-shields. Consult your personal protective equipment supplier for additional recommendations.					
Gloves/ type.....	Chemical resistant gloves. Consult your personal protective equipment supplier for additional recommendations.					
Clothing/type.....	Wear chemical resistant clothing. Consult your personal protective equipment supplier for additional recommendations.					
Footwear/type.....	Wear chemical resistant safety boots. Consult your personal protective equipment supplier for additional recommendations.					
Other/type.....	Emergency showers and eye wash stations should be available. Employees should wash their hands and face before eating, drinking, or using tobacco products.					

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state.....	Aerosol. Spray, mist.
Colour.....	Not available.
Odour.....	Hydrocarbon.
Odour threshold (ppm).....	62 ppm. (Acetone).
Vapour pressure (mm Hg).....	108-185. (Acetone).
Vapour density (air=1).....	>1.
pH.....	Not applicable.
Relative Density (Specific Gravity).....	0.770-0.790.
Initial boiling point / boiling range (deg C).....	>55 °C.
Melting / Freezing point (deg C).....	-95.35 - -93.9 °C. (Acetone).
Flash point (deg C), method.....	-18 - -17 °C. (Acetone).
Aerosol Ignition Distance.....	>15 cm and <100 cm.
Flashback.....	Yes.
Evaporation rate.....	> 5. (n-Butyl Acetate = 1).
VOC Content.....	NMT 10.
Solubility.....	Soluble in Water.
Auto ignition temperature (deg C).....	465-560 °C. (acetone).
Lower flammable limit (% vol).....	2.5. (acetone).
Upper flammable limit (% vol).....	14.3. (acetone).
NOTE.....	NMT = Not More Than.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions of use.
Chemical stability.....	Stable at normal temperatures and pressures.
Possibility of hazardous reactions.....	Will not occur.
Conditions to avoid, including static	Keep away from heat. Electrostatic charge. Avoid heat, spark, open flames.
discharge, shock or vibration	
Incompatible materials.....	Strong acids. Strong oxidizing agents.
Hazardous decomposition products.....	Carbon oxides.

PRODUCT: PF 578 LACQUER TOOL & EQUIPMENT CLEANER - 390G**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Acetone	50,100 mg/m ³ 8 hours, rat	5,800 mg/kg (rat oral)
Carbon dioxide	No data	No data
Naphtha (petroleum), hydrotreated light	73680 ppm 4 hours rat	>5000 mg/kg (oral, rat) >3160 mg/mg (dermal, rabbit)
Isopropyl Alcohol	72600 mg/m ³ , rat (4 hr)	1870 mg/kg (oral, rat). 4059 mg/kg (dermal, rabbit)
Route of exposure.....	Eye contact. Skin contact. Inhalation. Ingestion.	
Symptoms related to the physical, chemical and toxicological characteristics	Irritation effects.	
Skin corrosion/irritation.....	Causes mild skin irritation. Prolonged contact may be more irritating.	
Serious eye damage/eye irritation.....	Causes serious eye irritation.	
Respiratory or Skin Sensitization.....	Not sensitizing.	
Carcinogenicity.....	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.	
Reproductive effects.....	No component of this product present at levels greater than or equal to 0.1% .	
Mutagenicity.....	No component of this product present at levels greater than or equal to 0.1% .	
STOT-SE.....	May cause drowsiness or dizziness. May cause respiratory irritation.	
STOT-RE.....	Not classified.	
Aspiration Hazard.....	May be fatal if swallowed and enters airways.	
Chronic toxicity.....	Organic solvents may be absorbed into the body by inhalation and ingestion and cause permanent damage to the nervous system, including the brain. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.	

SECTION 12: ECOLOGICAL INFORMATION

Environmental.....	May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment. . Acetone (CAS#: 67-64-1): Toxicity to fish: LC50 >100 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 10294 mg/L, 48 hrs; Toxicity to algae: not available. Naphtha (CAS # 64742-49-0): Toxicity to fish: LC50 4.1 mg/L, 96 hrs; Toxicity to Daphnia: EC50 10 mg/L, 48 hrs; Toxicity to algae: EC50 11 mg/L, 72 hrs; NOEC 0.1 mg/L, 72 hrs. Isopropanol (CAS#: 67-63-0): Toxicity to fish: LC50 9,640 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 5,102 mg/L, 96 hrs; Toxicity to algae: EL50 >2,000 mg/L, 72 hrs.
Persistence and degradability.....	Product has not been tested.
Bioaccumulative potential.....	Product has not been tested.
Mobility in soil.....	Product has not been tested.
Other adverse effects.....	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Information on safe handling for disposal and methods of disposal, including any contaminated packaging	Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch. Dispose of as an industrial waste in a manner acceptable to good waste management practice and in accordance with applicable local, provincial/State or federal regulations.
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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. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1950 - AEROSOLS - Class 2.1 - EmS: F-D, S-U - 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).
National Pollutant Release Inventory (NPRI).....	Some components are subject to reporting under NPRI. Please check your responsibility. (CAS # 67-63-0 (Cat 1A & 5)).
Environmental Emergency Regulations....	None listed in this product.

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SECTION 15: REGULATORY INFORMATION

Categorization of the DSL..... Some components met the criteria under subsection 73(1) of CEPA during categorization of the DSL. Please check to see if this affects your company. (CAS # 67-64-1). (CAS # 64742-49-0). (CAS # 67-63-0).

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..... Isopropyl alcohol.

EPA hazardous air pollutants (HAPS) None.

40CFR63

California Proposition 65..... None. For more information, go to www.P65Warnings.ca.gov.

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