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

PRODUCT: 13100 1K SELF ETCHING PRIMER AEROSOL GRAY

Section 01: Chemical product and company identification

Product name	13100 1K SELF ETCHING PRIMER AEROSOL GRAY
Manufactured for	Pro Form Products Ltd. 604 McGeachie Drive Milton, Ontario L9T3Y5 Tel (905) 878-4990 Fax (905) 878-
24 hour emergency number:	IN CANADA CALL CANUTEC (61 CHEMTREC (800) 424-9300.
Material use	Paints. This product should not be described in this section.
Chemical family	Mixture.
Preparation date	November 26, 2014.
Hazard rate NFPA rating	Health: 2 Fire: 4 Reactivity: 0.
HMIS	H: 2* F: 4 R: 0.

NZ Distributor:
Wyatt Machine Tools (Rupes) NZ Ltd
388 Church St, Penrose, AKL,1061
P: (09)525-1000 F:(09)525-1009
NZ Emergency:0800 992 881
0800WYATT1

Section 02: Hazards identification

Signal Word	DANGER.
Hazard Classification	Flammable Aerosol 1. Flammable Liquid 2. Gas under pressure: Compressed Gas. Eye Irritant 2. Skin Irritant 2. Carcinogen 2. Reproductive 2. STOT RE 2. STOT SE 3.
Hazard Description	H222 Extremely flammable aerosol . H225 Highly flammable liquid and vapour. H280 Contains gas under pressure; may explode if heated. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H351 This product contains ingredients that are suspected of causing cancer. H361 This product contains ingredients that are suspected of damaging fertility or the unborn child. H373 May cause damage to the liver and kidneys through prolonged or repeated contact.
Precautionary Statements	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. P251 Do not pierce or burn container, even after use. P261 Avoid breathing mists, vapours and sprays. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well ventilated area. P280 Wear protective gloves and eye protection.
Response	P302 + P352 - If on skin: wash with plenty of water. . P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . 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. P308 + P313 If exposed or concerned, get medical advice/attention. P312 Call a POISON CENTER/doctor if you feel unwell. P314 - Get medical advice/attention if you feel unwell. P321 - Consult with a doctor or poison control centre if skin is itchy or a skin rash develops or you feel unwell. P332 + P313 - If skin irritation occurs get medical attention or advice. P337 + P313 - If eye irritation persists get medical attention. P362 + P364 - Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire - use dry chemical powder, CO2 or 6% foam.
Storage	P403 + P233 Store in a well ventilated area. Keep container tightly closed. P403 + P235 Store in well ventilated area. Keep cool. 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.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %

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Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

ACETONE	67-64-1	30-60
METHYL ISOBUTYL KETONE	108-10-1	10-30
PROPANE	74-98-6	10-30
ISOBUTANE	75-28-5	7-13
TALC	14807-96-6	7-13
XYLENE	1330-20-7	1-5
TOLUENE	108-88-3	1-5
TITANIUM DIOXIDE	13463-67-7	1-5
ETHYL 3-ETHOXYPROPIONATE	763-69-9	1-5
ETHYLBENZENE	100-41-4	0.1-1.0

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..... Do not induce vomiting. 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. The main hazard from ingestion is aspiration of the liquid into the lungs. 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

Extinguishing media..... "Alcohol" foam, CO2, dry chemical. In cases of larger fires, water spray should be used.

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. 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. 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

	ACGIH TLV		OSHA PEL		NIOSH
Ingredients	TWA	STEL	PEL	STEL	REL
ACETONE	500 ppm	750 ppm	1,000 ppm	Not established	250 ppm

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Section 08: Exposure controls / personal protection

Ingredients	ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL PEL	OSHA PEL STEL	NIOSH REL
METHYL ISOBUTYL KETONE	50 ppm 50 ppm ACGIH TWA	75 ppm	100 ppm	Not established	50 ppm / STEL 75 ppm
PROPANE	1,000 ppm No data	Not established	1,000 ppm	Not established	1,000 ppm
ISOBUTANE	Not established No data	Not established	Not established	Not established	800 ppm
TALC	2 mg/m3 No data	No data	2 mg/m3	No data	2 mg/m3
XYLENE	100 ppm No data	150 ppm	100 ppm	Not established	Not established
TOLUENE	20 ppm 50 ppm	Not established	200 ppm	500 ppm 10 minutes	100 ppm / STEL 150 ppm
TITANIUM DIOXIDE	10 mg/m3 10 mg/m3	No data	15 mg/m3	No data	No data
ETHYL 3-ETHOXYPROPIONATE	Not established No data	Not established	Not established	Not established	Not established
ETHYLBENZENE	100 ppm 25 PPM	125 ppm	100 ppm	No data	100 ppm / STEL 125 ppm

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.
Ventilation requirements	Local exhaust at points of emission.

Exposure limits

Section 09: Physical and chemical properties

Physical state	Aerosol.
Colour	Light. Black.
Odour	Hydrocarbon odour.
Odour threshold (ppm)	No data.
Vapour pressure (mm Hg)	55-60 @ 20°C .
Vapour density (air=1)	>1.
pH	Not applicable.
Specific gravity	Aerosol- 0.74lb/usg (0.09g/mL); Liquid- 0.80lb/usg (0.1g/mL).
Freezing point (deg C)	No data.
Solubility	Not soluble in water.
Boiling point (deg C)	56°C.
Evaporation rate	<1.
Flash point (deg C), method	<-17°C Closed cup. Aerosol flame projection < 100 cm.
Auto ignition temperature (deg C)	No data.
Upper flammable limit (% vol)	13%.
Lower flammable limit (% vol)	0.9.
Coefficient of water\oil distribution	No data.
% Volatile by volume	90.
VOC	2.91 lb/usg - 349 g/L.
Viscosity	No data.

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Section 10: Stability and reactivity

Stability..... Stable at normal temperatures and pressures.
Reactivity conditions..... Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents.
Incompatibility..... Keep away from heat. Incompatible with strong oxidizers.
Hazardous products of decomposition..... By fire:. Dense black smoke. Oxides of carbon (CO,CO2).
Hazardous polymerization..... Hazardous polymerization will not occur.

Section 11: Toxicological information

Ingredients	LC50	LD50
ACETONE	50,100 mg/m3 8 hours rat inhalation	5,800 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
PROPANE	>1,464 mg/L 15 minutes rat	No data
ISOBUTANE	52 mg/L 1 hour mouse	No data
ALC	No data	No data
XYLENE	6350 ppm 4 hours rat	>3523 mg/kg rat oral
TOLUENE	8000 ppm rat inhalation	5,000 mg/kg rat oral; 12,124 mg/kg rabbit dermal
TITANIUM DIOXIDE	No data	> 10,000 mg/kg rat oral > 10,000 mg/kg rabbit dermal
ETHYL 3-ETHOXYPROPIONATE	>998 ppm 6 hours	4,309 mg/kg rat oral 4,080 mg/kg rabbit dermal
ETHYLBENZENE	No data	3,500 mg/kg rat oral 17,800 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. May be harmful if absorbed through the skin. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.
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.
Carcinogenicity of material..... Methyl isobutyl ketone is known to the state of California to cause cancer and developmental effects. Titanium dioxide is known to the state of California to cause cancer and developmental effects. Ethylbenzene is known to the state of California to cause cancer and developmental effects.
Reproductive effects..... Toluene is known by the State of California to cause adverse fetal developmental effects.
Toxicological Data

Section 12: Ecological information

Environmental..... Do not allow to enter waters, waste water or soil.
Biodegradability..... No data.

Section 13: Disposal considerations

Waste disposal..... 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..... 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.
IMDG Classification (Marine)..... UN1950 - AEROSOLS - Class 2.1 - EmS: F-D, S-U - Limited Quantity.
Marine Pollutant..... Potential marine pollutant.
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. .

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Section 15: Regulatory information

WHMIS classification	A. B5. 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	Ethylbenzene. Methyl Isobutyl Ketone. Toluene. Xylene.
EPA hazardous air pollutants (HAPS) 40CFR63	Ethylbenzene. Toluene.
TSCA inventory status	All components are listed.
California Proposition 65	This product contains Ethylbenzene that is known to the State of California to cause cancer. Titanium dioxide is known to the State of California to cause cancer. This product contains Toluene known to the State of California to cause (developmental) reproductive toxicity. Methyl Isobutyl Ketone is known by the State of California to cause cancer and adverse fetal developmental 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.
Preparation date:	Nov26/14