

20/2/2018

00000274

## SAFETY DATA SHEET



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

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

PRODUCT: 13102 1K SELF ETCHING PRIMER AEROSOL- BLACK

## SECTION 01: Chemical product and company identification

Manufactured for..... Pro Form Products Ltd.  
604 McGeachie Drive  
Milton, Ontario L9T3Y5  
Tel (905) 878-4990 Fax (905) 878-1189  
Product name..... 13102 1K SELF ETCHING PRIMER AEROSOL- BLACK  
Recommended use and restrictions on use..... Paints.  
Chemical family..... Acrylic coating.  
NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.  
HMIS..... H: 2 F: 4 R: 0.  
24 hour emergency number..... IN CANADA CALL CANUTEC 1-888-226-8832 (CAN-UTEC); IN THE UNITED STATES  
CALL CHEMTREC 1-800-424-9300.

## SECTION 02: Hazards identification



Signal Word..... DANGER.  
Hazard Classification..... Flammable Aerosols — Category 1. Gases Under Pressure: Liquefied Gas.  
Carcinogenicity — Category 1. Reproductive Toxicity — 1. Specific Target Organ Toxicity  
— Repeated Exposure — Category 1.  
Hazard Description..... H222 Extremely flammable aerosol. H229 Pressurized container: may burst if heated.  
H280 Contains gas under pressure; may explode if heated. H350 This product contains  
ingredients that may cause cancer. H360 May damage fertility or the unborn child. H372  
Causes 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. P211 Do not spray on an open flame or other  
ignition sources. P251 Do not pierce or burn container, even after use. P260 Do not  
breathe the mist, vapours, or spray. P264 Wash thoroughly after handling. P270 Do not eat  
drink or smoke while using this product. P280 Wear protective gloves and eye protection.  
Response ..... P308 + P313 If exposed or concerned, get medical advice/attention.  
Storage..... P403 Store in a well ventilated area. 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

HAZARDOUS INGREDIENTS	CAS #	WT. %
Isobutyl Acetate	110-19-0	30-60
Propane	74-98-6	10-30
Isobutane	75-28-5	7-13
Talc	14807-96-6	7-13
2-Propanol, 1-methoxy-, acetate	108-65-6	3-7
Carbon Black	1333-86-4	1-5
Toluene	108-88-3	1-5
Xylene	1330-20-7	0.5-1.5
Ethylbenzene	100-41-4	0.1-1
Crystalline Silica	14808-60-7	0.1-1
N-methyl pyrrolidone	872-50-4	0.1-1

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**PRODUCT: 13102 1K SELF ETCHING PRIMER AEROSOL- BLACK****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. May cause mild skin irritation. May cause slight eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. This product contains ingredients that may cause cancer. This product contains ingredients that are suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.
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, CO2, dry chemical. Do not use water in a jet.
Hazardous combustion products.....	Oxides of carbon (CO, CO2). Hydrocarbon fumes and smoke.
Special fire fighting procedures.....	Extremely flammable aerosol. Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. 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. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture.

**SECTION 06: Accidental release measures**

Leak/spill.....	Ventilate. Eliminate all sources of ignition. No action shall be taken involving any personal risk or without suitable training. Evacuate all non-essential personnel. Avoid all personal contact. Contain the spill. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. Pick up waste material and place in an appropriate container for disposal. 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**

Handling procedures.....	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. 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.
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. Do not store above 50 deg C.

**SECTION 08: Exposure controls / personal protection**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Isobutyl Acetate	150 ppm	Not established	150 ppm	Not established	150 ppm
Propane	1,000 ppm	Not established	1,000 ppm	Not established	1,000 ppm
Isobutane	Not established	Not established	Not established	Not established	800 ppm
Talc	2 mg/m3	Not established	2 mg/m3 TWA	3 mg/m3 - QUE	Not established
2-Propanol, 1-methoxy-, acetate	50 ppm	75 ppm	Not established	Not established	Not established
Carbon Black	3.5 mg/m3	Not established	3.5 mg/m3	Not established	3.5 mg/m3



## PRODUCT: 13102 1K SELF ETCHING PRIMER AEROSOL- BLACK

## SECTION 08: Exposure controls / personal protection

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Toluene	20 ppm	Not established	200 ppm	500 ppm 10 minutes	100 ppm / STEL 150 ppm
Xylene	50 ppm	150 ppm	100 ppm TWA	Not established	Not established
Ethylbenzene	100 ppm	125 ppm	100 ppm	Not established	100 ppm / STEL 125 ppm
Crystalline Silica	0.025 mg/m3	Not established	0.1 mg/m3 TWA	Not established	0.05 mg/m3
N-methyl pyrrolidone	Not Established	Not Established	Not Established	Not Established	Not Established
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.				
Eye/type.....	Liquid chemical goggles.				
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.....	Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. Local mechanical exhaust ventilation should be used at sources of air contamination, such as open process equipment, or during purging operations, to capture gases and fumes that may be emitted. Standard reference sources regarding industrial ventilation (ie. ACGIH industrial ventilation) should be consulted for guidance about adequate ventilation. .				

## SECTION 09: Physical and chemical properties

Physical state.....	Aerosol.
Colour.....	Black.
Odour.....	No data.
Odour threshold (ppm).....	Not available.
Vapour pressure (mm Hg).....	No data.
Vapour density (air=1).....	No data.
pH.....	Not applicable.
Relative Density (Specific Gravity).....	1.04. (Liquid). 0.93. (Aerosol).
Melting / Freezing point (deg C).....	Not Available.
Solubility.....	Insoluble.
Initial boiling point / boiling range (deg C).....	> 100° C.
Evaporation rate.....	No data.
Flash point (deg C), method.....	7. (estimate for liquid).
Auto ignition temperature (deg C).....	460 °C (propellant) .
Upper flammable limit (% vol).....	9.5. (propellant).
Lower flammable limit (% vol).....	1.8. (propellant).
Coefficient of water/oil distribution.....	Not available.
VOC.....	5.30 lbs/USG.
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.....	Will not occur under normal temperature and pressure.
Conditions to avoid.....	Keep away from heat. Incompatible with strong oxidizers. Electrostatic charge.
Hazardous decomposition products.....	See hazardous combustion products section 5.

## SECTION 11: Toxicological information

INGREDIENTS	LC50	LD50
Isobutyl Acetate	>13.24 mg/L /6 h rat	13,400 mg/kg rat oral > 5000 mg/kg rabbit dermal
Propane	>1,464 mg/L 15 minutes rat	Not available
Isobutane	52 mg/L 1 hour mouse	Not available
Talc	Not available	Not available



**PRODUCT: 13102 1K SELF ETCHING PRIMER AEROSOL- BLACK****SECTION 11: Toxicological information**

INGREDIENTS	LC50	LD50
2-Propanol, 1-methoxy-, acetate	Not Available	8,532 mg/kg rat oral 5,000 mg/kg dermal rabbit
Carbon Black	Not available	>10,000 mg/kg oral rat 3,000 mg/kg dermal rabbit
Toluene	8000 ppm rat inhalation 400 ppm mouse inhalation 24hr	5,000 mg/kg rat oral; 12,124 mg/kg rabbit dermal
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral
Ethylbenzene	No data	3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal
Crystalline Silica	Not available	>22,500 mg/kg oral rat
N-methyl pyrrolidone	No Data	3600 mg/kg (oral, rat)
Route of exposure.....	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. 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.	
Carcinogenicity of material.....	Quartz (Crystalline Silica) is listed by IARC in Group 1 as a carcinogen. IARC has classified Carbon Black as "Group 2B", possibly carcinogenic to humans, based on laboratory animal inhalation studies. 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). Ethylbenzene is classified as an A3 known animal carcinogen. Xylene has been listed by IARC as a Group 3; not classifiable as to its carcinogenicity to humans.	
Reproductive effects.....	Reproductive toxicity (developmental): N-methyl pyrrolidone. 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.	
Specific Target Organ Toxicity .....	Causes damage to organs.	

**SECTION 12: Ecological information**

Environmental.....	Do not allow to enter waters, waste water or soil.
Persistence and degradability.....	Not available.

**SECTION 13: Disposal considerations**

Waste disposal.....	Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.
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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).
TSCA inventory status.....	All components are listed.
OSHA.....	This product is considered hazardous under the OSHA Hazard Communication Standard.
SARA Title III	

**PRODUCT: 13102 1K SELF ETCHING PRIMER AEROSOL- BLACK****SECTION 15: Regulatory information**

Section 302 - extremely hazardous ..... None.  
substances  
Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.  
Section 313..... Ethylbenzene. Xylene.  
EPA hazardous air pollutants (HAPS) ..... Ethylbenzene. Toluene. Xylene.  
40CFR63  
California Proposition 65..... \*WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. \*WARNING: This product contains a chemical known to the State of California to cause cancer.

**SECTION 16: Other information**

Prepared by: ..... REGULATORY AFFAIRS. Trivalent Data Systems Ltd. [www.trivalent.com](http://www.trivalent.com).  
Telephone number:..... (800) 387-7981.  
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Preparation date: ..... FEB 20/2018