30/11/2017

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

PRO FORM™

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

Manufactured for	Pro Form Products Ltd. 604 McGeachie Drive Milton, Ontario L9T3Y5 Tel (905) 878-4990 Fax (905) 878-1189
Product name	13100 1K SELF ETCHING PRIMER AEROSOL GRAY
Recommended use and restrictions on use	Paints. Primer.
Chemical family	Mixture.
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	Aerosol 1. Gases Under Pressure: Liquefied Gas. Skin Sensitizer 1. Eye Irritant 2A. Carcinogenicity — 2. Reproductive 2. Specific Target Organ Toxicity — Repeated Exposure — 1.
Hazard Description	H222 Extremely flammable aerosol . H229 Pressurized container: may burst if heated. H280 Contains gas under pressure; may explode if heated. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. 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. 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 mist, vapours, or spray. P264 Wash thoroughly after handling. P270 Do not eat drink or smoke while using this product. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves and eye protection.
Response	P308 + P313 If exposed or concerned, get medical advice/attention. 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. . P362 + P364 - Take off contaminated clothing and wash before reuse. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P314 - Get medical advice/attention if you feel unwell. P321 - For specific treatment see section 4 on this SDS.
Storage	P410 Protect from sunlight. P412 Do not expose to temperature exceeding 50°C / 122°F. P405 Store locked up. P403 Store in a well ventilated area.
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. %
Talc	14807-96-6	10-30
Propane	74-98-6	10-30
Isobutyl Acetate	110-19-0	10-30
tert-Butyl acetate	540-88-5	10-30
Isobutane	75-28-5	7-13

PRODUCT: 13100 1K SELF ETCHING PRIMER AEROSOL GRAY

SECTION 03: Composition/Information on Ingredients

Methyl Ethyl Ketone	78-93-3	7-13
N-Butyl Acetate	123-86-4	5-10
Titanium Dioxide	13463-67-7	5-10
Xylene	1330-20-7	0.5-1.5
Bisphenol A - Epoxy Resin	25068-38-6	0.5-1.5
Ethylbenzene	100-41-4	0.1-1
Carbon Black	1333-86-4	0.1-1
Toluene	108-88-3	0.1-1

SECTION 04: First aid measures

Eye contact	Check for and remove any contact lenses, if safe and easy to do so. 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.
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.
Additional information	Treat victims symptomatically. The main hazard from ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. 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. In cases of larger fires, water spray should be used. 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. Heat will cause pressure buildup and may cause explosive rupture. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. 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. Place in metal containers for recovery or 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.

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. 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.
Storage needs	Do not store above 50 deg C. Keep away from heat, sparks, and open flames. Store away from oxidizing and reducing materials. Keep container closed when not in use. Store away from sunlight.

PRODUCT: 13100 1K SELF ETCHING PRIMER AEROSOL GRAY

SECTION 08: Exposure controls / personal protection

INGREDIENTS	ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL PEL	OSHA PEL STEL	NIOSH REL
Talc	2 mg/m3	Not established	2 mg/m3 TWA	3 mg/m3 - QUE	Not established
Propane	1,000 ppm	Not established	1,000 ppm	Not established	1,000 ppm
Isobutyl Acetate	150 ppm	Not established	150 ppm	Not established	150 ppm
tert-Butyl acetate	200 ppm	Not established	200 ppm	Not established	200 ppm
Isobutane	Not established	Not established	Not established	Not established	800 ppm
Methyl Ethyl Ketone	200 ppm	300 ppm	200 ppm	Not established	200 ppm TWA
N-Butyl Acetate	150 ppm	200 ppm	150 ppm	200 ppm	150 ppm / STEL 200 ppm
Titanium Dioxide	10 mg/m3	Not established	15 mg/m3	Not established	Not established
Xylene	50 ppm	150 ppm	100 ppm TWA	Not established	Not established
Bisphenol A - Epoxy Resin	Not established	Not established	Not established	Not established	Not established
Ethylbenzene	100 ppm	125 ppm	100 ppm	Not established	100 ppm / STEL 125 ppm
Carbon Black	3.5 mg/m3	Not established	3.5 mg/m3	Not established	3.5 mg/m3
Toluene	20 ppm	Not established	200 ppm	500 ppm 10 minutes	100 ppm / STEL 150 ppm

Protective equipment

Respiratory/type..... Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.
Eye/type..... Chemical safety goggles. Chemical safety goggles and full faceshield if splash hazard exists.
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 should be used to maintain levels below the exposure limits.

SECTION 09: Physical and chemical properties

Physical state..... Aerosol.
Colour..... Gray.
Odour..... Aromatic. Sweet odour.
Odour threshold (ppm)..... Not available.
Vapour pressure (mm Hg)..... Aerosol vapour pressure:. 55-65 psig @ 20°C.
Vapour density (air=1)..... No data.
pH..... Not applicable.
Relative Density (Specific Gravity)..... 1.001. (Aerosol). 1.126. (Liquid).
Melting / Freezing point (deg C)..... Not Available.
Solubility..... No data.
Initial boiling point / boiling range (deg C)..... >79.
Evaporation rate..... No data.
Flash point (deg C), method..... -9. (liquid).
Auto ignition temperature (deg C)..... 333. (estimate).
Upper flammable limit (% vol)..... 11.5. (liquid).
Lower flammable limit (% vol)..... 1.0. (liquid).
Coefficient of water\oil distribution..... Not available.
VOC..... 464.9 g/L - 3.88 lb/USG.
Viscosity..... Not Available.

SECTION 10: Stability and reactivity

Chemical stability..... Stable at normal temperatures and pressures.
Reactivity ..... Avoid heat, sparks and flames. Risk of bursting of closed containers due to an increase in pressure.
Possibility of hazardous reactions..... Hazardous polymerization will not occur.
Conditions to avoid..... Incompatible with strong oxidizers. Keep away from heat. Electrostatic charge.
Hazardous decomposition products..... By fire:. Dense black smoke. Oxides of carbon (CO,CO2).

PRODUCT: 13100 1K SELF ETCHING PRIMER AEROSOL GRAY

SECTION 11: Toxicological information

INGREDIENTS	LC50	LD50
Talc	Not available	Not available
Propane	>1,464 mg/L 15 minutes rat	Not available
Isobutyl Acetate	>13.24 mg/L /6 h rat	13,400 mg/kg rat oral > 5000 mg/kg rabbit dermal
tert-Butyl acetate	>2,230 mg/m3 4 hours rat	4,100 mg/kg rat oral >2,000 mg/kg rabbit dermal
Isobutane	52 mg/L 1 hour mouse	Not available
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)
N-Butyl Acetate	>29.2 mg/L 4 hour rat >23.4 mg/L aerosol 4 hour rat	>3200 mg/kg rat oral >5000 mg/kg rabbit dermal
Titanium Dioxide	Not Available	> 10,000 mg/kg rat oral > 10,000 mg/kg rabbit dermal
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral
Bisphenol A - Epoxy Resin	Not Available	>2,000 mg/kg rat oral
Ethylbenzene	No data	3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal
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

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. 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. May cause damage to organs as a result of repeated or prolonged exposure.

Carcinogenicity of material..... IARC has classified Titanium Dioxide as a group 2B carcinogen. Xylene has been listed by IARC as a Group 3; not classifiable as to its carcinogenicity to humans. 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). IARC has classified Carbon Black as "Group 2B", possibly carcinogenic to humans, based on laboratory animal inhalation studies. Ethylbenzene is classified as an A3 known animal carcinogen.

Reproductive 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. 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.

Sensitizing capability of material..... May cause sensitization by inhalation. May cause sensitization by skin contact.

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..... 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.

PRODUCT: 13100 1K SELF ETCHING PRIMER AEROSOL GRAY

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.
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	
Section 302 - extremely hazardous substances	None.
Section 311/312 - hazard categories	Immediate health, delayed health, fire hazard.
Section 313	Ethylbenzene. Toluene. Xylene.
EPA hazardous air pollutants (HAPS) 40CFR63	Ethylbenzene. Toluene. Xylene.
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.
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:	NOV 30/2017