



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

PRODUCT: PF 714-1C PRO GUARD RUBBERIZED GRAVLGUARD (OFF WHITE)

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 714-1C PRO GUARD RUBBERIZED GRAVLGUARD (OFF WHITE)

Recommended use and restrictions on .. Paints.
use

Chemical family..... Mixture.

NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.

HMIS..... H: 2 F: 4 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 (Inhalation) — Category 4. Specific Target Organ Toxicity — Single Exposure — Category 3. (respiratory system). (narcotic effects). Carcinogenicity — Category 1. Reproductive Toxicity — Category 2. Specific Target Organ Toxicity — Repeated Exposure — Category 1.

Hazard Description..... H225 Highly flammable liquid and vapour. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H350 This product contains ingredients that may cause cancer. H361 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. 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. 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. P271 Use only outdoors or in a well ventilated area. P280 Wear protective gloves and eye protection.

Response P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. 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. P308 + P313 If exposed or concerned, get medical advice/attention. P312 Call a POISON CENTER/doctor if you feel unwell.

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

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. %
tert-Butyl acetate	540-88-5	30-60
Toluene	108-88-3	5-10
Titanium Dioxide	13463-67-7	5-10
Solvent Naphtha, Heavy Aliphatic	64742-96-7	1-5
Crystalline Silica	14808-60-7	0.1-1.5

PRODUCT: PF 714-1C PRO GUARD RUBBERIZED GRAVLGUARD (OFF WHITE)**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

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

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. If irritation persists, obtain medical attention.
Skin contact.....	Immediately remove all contaminated clothing, flush skin with water for at least 15 minutes. Wash clothing before reuse. 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.....	The main hazard from ingestion is aspiration of the liquid into the lungs. 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	May cause mild skin irritation. May cause drying or flaking of skin. May cause slight eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Can irritate mucous membranes of the respiratory tract. 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. 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, CO ₂ , dry chemical. Do not use water in a jet.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	This material is a static accumulator. 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. Thermal decomposition products are toxic. May include: Oxides of carbon (CO, CO ₂). Oxides of nitrogen. Under hot acidic conditions: Acetic acid. Isobutylene.
Special protective equipment and precautions for fire-fighters	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

Personal precautions, protective equipment and emergency procedures	No action shall be taken involving any personal risk or without suitable training. 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. Take precautions against static discharge. Equipment should be grounded. Use non-sparking tools and equipment to pick up the spilled material.
Methods and materials for containment and cleaning up	
Leak/spill.....	Keep away from heat, sparks and flames. Ventilate. Eliminate all sources of ignition. 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 personal contact. Evacuate all non-essential personnel. Contain the spill. Prevent runoff into drains, sewers, and other waterways. Absorb with an inert dry material and place in an appropriate waste container. 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

Precautions for safe handling.....	Keep away from heat, sparks, and open flame. This material is a static accumulator. 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.
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PRODUCT: PF 714-1C PRO GUARD RUBBERIZED GRAVLGUARD (OFF WHITE)**SECTION 07: HANDLING AND STORAGE**

Conditions for safe storage, including any incompatibilities

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. Avoid: Polystyrene, Natural rubber, Butyl rubber, EPDM.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
tert-Butyl acetate	200 ppm	Not established	200 ppm	Not established	200 ppm
	CA ON AB BC: 50ppm (TWA), 200ppm (STEL)				
Toluene	20 ppm	Not established	200 ppm	500 ppm 10 minutes	100 ppm / STEL 150 ppm
	CA ON: TWA: 20 ppm				
Titanium Dioxide	10 mg/m3	Not established	15 mg/m3	Not established	Not established
	CA ON: 10 mg/m3 (TWA)				
Solvent Naphtha, Heavy Aliphatic	Not Established	Not Established	Not Established	Not Established	Not Established
Crystalline Silica	0.025 mg/m3	Not established	0.1 mg/m3 TWA	Not established	0.05 mg/m3
	CA ON: 0.025 mg/m3 Respirable				

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. Explosion-proof exhaust ventilation.

Personal 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..... Liquid chemical goggles. Chemical safety goggles and full faceshield if a splash hazard exists.

Gloves/ type..... Wear skin protection equipment. The selection of skin protection equipment depends on the nature of the work to be performed. Contact glove supplier for recommendations.

Clothing/type..... Wear adequate protective clothes.

Footwear/type..... Safety boots per local regulations.

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.....	Liquid.
Colour.....	Off white.
Odour.....	Characteristic odour. Camphor-like.
Odour threshold (ppm).....	Not available.
pH.....	Not applicable.
Melting / Freezing point (deg C).....	Not available.
Initial boiling point / boiling range (deg C).....	> 97 °C.
Flash point (deg C), method.....	4 °C. (estimate; lowest flash point ingredient).
Evaporation rate.....	Moderate.
Flammability (solids and gases).....	Not applicable. Flammable liquid.
Upper flammable limit (% vol).....	6.9.
Lower flammable limit (% vol).....	0.6.
Vapour pressure (mm Hg).....	No data.
Vapour density (air=1).....	No data.
Relative Density (Specific Gravity).....	1.049.
Pounds / USG.....	8.75.
Solubility.....	Negligible.
Partition coefficient — n-octanol/water.....	No data.
Auto ignition temperature (deg C).....	>190 °C.
Decomposition temperature.....	No data.
Viscosity.....	3800 cps.
% Volatile by volume.....	11.07.
VOC (less water).....	242.06 g/L; 2.02 lbs/USG.

PRODUCT: PF 714-1C PRO GUARD RUBBERIZED GRAVLGUARD (OFF WHITE)**SECTION 10: STABILITY AND REACTIVITY**

Reactivity	Product is stable; hazardous polymerization will not occur.
Chemical stability.....	Stable at normal temperatures and pressures.
Possibility of hazardous reactions.....	Hazardous polymerization will not occur.
Conditions to avoid, including static discharge, shock or vibration.....	Avoid heat, spark, open flames.
Incompatible materials.....	Strong oxidizing agents. Acids. Alkalies. Nitrates. Avoid natural, butyl, and neoprene rubbers.
Hazardous decomposition products.....	By fire: Oxides of carbon (CO,CO2). Oxides of nitrogen. Dense black smoke. Under hot acidic conditions: Isobutylene and acetic acid.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
tert-Butyl acetate	>2,230 mg/m ³ 4 hours rat	4,100 mg/kg (rat, oral); >2,000 mg/kg (rabbit, dermal)
Toluene	8000ppm (rat inhalation) 400ppm mouse (inhalation 24hr)	5,000 mg/kg (rat oral); 12,124 mg/kg (rabbit dermal)
Titanium Dioxide	>6.8 mg/L (4 hr)	>10,000 mg/kg (rat, oral) >10,000 mg/kg (rabbit, dermal)
Solvent Naphtha, Heavy Aliphatic	>6 mg/L 4 hours rat	>2,000 mg/kg (oral, rat) >2,000 mg/kg (dermal, rabbit)
Crystalline Silica	Not available	>22,500 mg/kg (oral rat)
Route of exposure.....	Skin contact. Eye contact. Inhalation.	
Symptoms related to the physical, chemical and toxicological characteristics		
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. Can be irritating to eyes and skin. May cause drying or flaking of the skin.	
Effects of chronic exposure.....	Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.	
Carcinogenicity of material.....	Quartz (Crystalline Silica) is listed by IARC in Group 1 as a carcinogen. IARC has classified Titanium Dioxide as a group 2B carcinogen.	
Reproductive effects.....	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.	
Specific Target Organ Toxicity	Causes damage to organs through prolonged or repeated exposure . May cause drowsiness or dizziness. May cause respiratory irritation.	

SECTION 12: ECOLOGICAL INFORMATION

Environmental..... No product data. 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. Empty containers must be handled with care due to product residue.

SECTION 14: TRANSPORT INFORMATION

TDG Classification.....	UN1139 - COATING SOLUTION - Class 3 - Packing Group II - This product meets the limited quantity exemption when packaged in containers less than 5 Litres.
DOT Classification (Road).....	UN1139 - COATING SOLUTION - Class 3 - Packing Group II . Ltd Qty (1 Liter/0.26 Gallons). Refer to 49CFR 172.101 for additional non-bulk packaging requirements.
IATA Classification (Air).....	UN1139 - COATING SOLUTION - Class 3 - Packing Group II . Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1139 - COATING SOLUTION - Class 3 - Packing Group II - EmS: F-E S-E. 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. .

PRODUCT: PF 714-1C PRO GUARD RUBBERIZED GRAVLGUARD (OFF WHITE)**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.....	Toluene.
EPA hazardous air pollutants (HAPS) 40CFR63	Toluene.
California Proposition 65.....	*** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause birth defects or other reproductive harm. (Toluene). *** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer . (Silica, crystalline (airborne particles of respirable size). (Titanium dioxide - airborne, unbound particles of respirable size). For more information, go to www.P65Warnings.ca.gov .

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.
Review Date:.....	2022-11-30.
Date of the latest revision of the safety .. data sheet	2020-05-05