



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

**PRODUCT: PF 212 FIRM-N-FLEX PREMIUM RUBBER BASED SEALER (CLEAR)**

### 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 212 FIRM-N-FLEX PREMIUM RUBBER BASED SEALER (CLEAR)

Recommended use and restrictions on .. Coatings.  
use

Chemical family..... Rubber/resin.

NFPA rating..... Health: 2 Fire: 3 Reactivity: 0.

HMIS..... H: 2 F: 3 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. Skin Corrosion/Irritation — Category 2. Reproductive Toxicity — Category 2. Specific Target Organ Toxicity — Single Exposure — Category 3. Specific Target Organ Toxicity — Repeated Exposure — Category 2.

Hazard Description..... H225 Highly flammable liquid and vapour. H361 Suspected of damaging fertility or the unborn child. H315 Causes skin irritation. H373 May cause damage to organs through prolonged or repeated exposure. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.

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 mist, vapours, or spray. 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 ..... 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. 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 - For specific treatment see section 4 on this SDS. P332 + P313 - If skin irritation occurs get medical attention or advice. P362 + P364 - Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish.

Storage..... P403+P433+P435 Store in a well ventilated area. Keep container tightly closed. Keep cool. P405 Store locked up.

Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

Other hazards..... None known.

### SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

| CHEMICAL NAME AND SYNONYMS | CAS #    | WT. % |
|----------------------------|----------|-------|
| Toluene                    | 108-88-3 | 5-10  |

**PRODUCT: PF 212 FIRM-N-FLEX PREMIUM RUBBER BASED SEALER (CLEAR)****SECTION 04: FIRST-AID MEASURES**

|  |   |
|--|---|
| Eye contact.....   | Flush eyes for 15 minutes with plenty of water. Consult a physician if irritation continues.  |
| Skin contact.....  | Wash using plenty of soap and water. Remove contaminated clothing. 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 victim spontaneously vomits, place in recovery position. Seek medical assistance as soon as possible.                  |
| Most important symptoms and effects, ..... whether acute or delayed                  | Treat symptomatically and supportively.   |
| Indication of immediate medical attention and special treatment needed, if necessary | Not available.  |

**SECTION 05: FIRE-FIGHTING MEASURES**

|  |   |
|--|---|
| Suitable extinguishing media.....  | Water fog. Carbon dioxide. Dry chemical. Water spray.   |
| Unsuitable extinguishing media.....  | Not available.  |
| Specific hazards arising from the ..... hazardous product, such as the nature of any hazardous combustion products | Hazardous combustion products may include but not limited to: Oxides of carbon (CO, CO2). Hydrocarbon fumes and smoke. Flammable liquid. Avoid spreading burning liquid with water. If flames are accidentally extinguished, explosive reignition may occur. . Remove ignition sources if safe to do so. Allow fire to burn out. Vapor forms explosive mixtures with air and oxidizing agents. Closed containers may explode when exposed to extreme heat. Do not allow run-off from fire fighting to enter drains or water courses. May form combustible or explosive mixture with air. The vapour is heavier than air, spreads along the ground and distant ignition is possible. . Vapours can accumulate in low areas. Before entering area, especially confined areas, check with an appropriate device. . |
| 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. Evacuate area. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. 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. If leaking gas catches fire, do not extinguish flames. Flammable & toxic vapors may spread from leak and could explode if reignited by sparks or flames. Explosive atmospheres may linger.   |

**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. 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               | Ventilate. Eliminate all sources of ignition. Shovel or vacuum spilled material into container for disposal. Treat original container as hazardous due to any residual product still in container.  |

**SECTION 07: HANDLING AND STORAGE**

|  |  |
|--|--|
| Precautions for safe handling.....                           | Keep away from heat, sparks, and open flame. Ground handling equipment. Avoid breathing vapours or mist. Avoid all skin contact. Handle with care. Employees should wash hands and face before eating or drinking. Handle in accordance with good industrial hygiene and safety practices. |
| Conditions for safe storage, including any incompatibilities | Store in a cool area, away from all sources of heat and ignition. Store away from oxidizing and reducing materials. Keep container closed when not in use. Store away from sunlight. Incompatible materials include, but not limited to: Oxidizing agents. Chlorine. Oxygen. Florine.      |

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

| INGREDIENTS | TWA | ACGIH TLV<br>STEL | PEL | OSHA PEL<br>STEL | REL | NIOSH |
|-------------|-----|-------------------|-----|------------------|-----|-------|
|-------------|-----|-------------------|-----|------------------|-----|-------|

|         |        |               |         |                    |                        |
|---------|--------|---------------|---------|--------------------|------------------------|
| Toluene | 20 ppm | Not available | 200 ppm | 500 ppm 10 minutes | 100 ppm / STEL 150 ppm |
|---------|--------|---------------|---------|--------------------|------------------------|

CA ON: TWA: 20 ppm

Personal Protective Equipment

**PRODUCT: PF 212 FIRM-N-FLEX PREMIUM RUBBER BASED SEALER (CLEAR)****SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

|                                       |   |
|---------------------------------------|---|
| Eye/type.....                         | Liquid chemical goggles. Consult your personal protective equipment supplier for additional recommendations.  |
| Respiratory/type.....                 | For operations where inhalation exposure can occur, a NIOSH-approved respirator may be necessary. 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 impervious protective 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.  |
| Appropriate engineering controls..... | Good general ventilation should be sufficient to control airborne levels.   |

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

|  |  |
|--|--|
| Appearance/Physical state.....                     | Paste.   |
| Colour.....  | Clear.   |
| Odour.....   | Characteristic model airplane glue benzene-like. |
| Odour threshold (ppm).....                         | 37 ppm.  |
| Vapour pressure (mm Hg).....                       | 0.03 bar (0.4 psia) (@20°C).                     |
| Vapour density (air=1).....                        | Not available.                                   |
| pH.....  | Not applicable.                                  |
| Relative Density (Specific Gravity).....           | 4.8 Lb's/U.S Gal – 0.18g/mL.                     |
| Melting / Freezing point (deg C).....              | Not available.                                   |
| Solubility.....                                    | Not soluble in water.                            |
| Initial boiling point / boiling range (deg C)..... | 110°C.   |
| Evaporation rate.....                              | Not available.                                   |
| Flash point (deg C), method.....                   | 4 °C.  |
| Auto ignition temperature (deg C).....             | 480 C.   |
| Upper flammable limit (% vol).....                 | Not available.                                   |
| Lower flammable limit (% vol).....                 | Not available.                                   |
| Partition coefficient — n-octanol/water.....       | Not available.                                   |
| % Volatile by weight.....                          | 7.   |
| Viscosity.....                                     | 600,000 – 700,000 CPS.                           |
| VOC.....   | 156g/Ltr. – 1.35Lb's/U.S Gal.                    |

**SECTION 10: STABILITY AND REACTIVITY**

|   |   |
|---|---|
| Chemical stability.....   | Stable at normal temperatures and pressures.                              |
| Reactivity .....  | Explosive reactions can occur in the presence of strong oxidizing agents. |
| Conditions to avoid, including static discharge, shock or vibration ..... | Extremely high or low temperatures. . Heat, sparks and open flames.       |
| Hazardous decomposition products.....                                     | Carbon dioxide. Carbon monoxide.  |

**SECTION 11: TOXICOLOGICAL INFORMATION**

| INGREDIENTS                            | LC50  | LD50  |
|--|---|---|
| Toluene                                | 8000ppm (rat inhalation)<br>400ppm mouse (inhalation 24hr)  | 5,000 mg/kg (rat ora);<br>12,124 mg/kg (rabbit dermal ) |
| Route of exposure.....                 | Eye contact. Skin contact. Inhalation.  |   |
| Skin corrosion/irritation.....         | Causes skin irritation.   |   |
| Serious eye damage/eye irritation..... | Causes serious eye irritation.  |   |
| Respiratory Sensitization.....         | Not classified.   |   |
| Skin Sensitization.....                | Not classified.   |   |
| Carcinogenicity.....                   | The components of this product are not listed by IARC, NTP or regulated as a carcinogen by OSHA.            |   |
| Reproductive effects.....              | Suspected of damaging fertility or the unborn child.  |   |
| Mutagenicity.....                      | No component of this product present at levels greater than or equal to 0.1% .                              |   |
| STOT-SE.....                           | Certain components are know to have narcotic effects.   |   |
| STOT-RE.....                           | May cause drowsiness or dizziness. May cause damage to the organs through prolonged or repeated exposure. . |   |
| Aspiration Hazard.....                 | May be fatal if swallowed and enters airways.   |   |

**PRODUCT: PF 212 FIRM-N-FLEX PREMIUM RUBBER BASED SEALER (CLEAR)****SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity..... Not available.  
 Bioaccumulative potential..... Not available.  
 Mobility in soil..... Not available.  
 Persistence and degradability..... Not available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Information on safe handling for disposal and methods of disposal, including any contaminated packaging . 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. Do not heat or cut empty containers with electric or gas torch.

**SECTION 14: TRANSPORT INFORMATION**

TDG Classification..... UN1133 - ADHESIVES containing flammable liquid - Class 3 - Packing Group II - This product meets the criteria for Limited Quantity Exemptions when packaged in containers equal to or less than 5 litres.  
 DOT Classification (Road)..... UN1133 - ADHESIVES containing flammable liquid - Class 3 - Packing Group II - Ltd Qty 5 L). Refer to 49CFR 172.101 for additional non-bulk packaging requirements.  
 IATA Classification (Air)..... UN1133 - ADHESIVES - Class 3 - PG II.  
 IMDG Classification (Marine)..... UN1133 - ADHESIVES - Class 3 - PG II EmS: F-E S-E.  
 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)(CAS # 108-88-3 (CAT 1A &5)).  
 Environmental Emergency Regulations.... Toluene (CAS # 108-88-3) Part 1.  
 Categorization of the DSL..... (CAS # 108-88-3).  
 TSCA inventory status..... All components are listed.  
 SARA Title III  
 Section 302 - extremely hazardous ..... None.  
 substances  
 Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.  
 Section 313..... Toluene.  
 EPA hazardous air pollutants (HAPS) ..... Toluene.  
 40CFR63  
 California Proposition 65..... (Toluene(D)). \*\*\* ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer and birth defects or other reproductive harm. .

**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.  
 Review Date:..... 2022-11-30.  
 Date of the latest revision of the safety .. 2024-04-30  
 data sheet