



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

PRODUCT: 12022 BASE COAT BINDER

SECTION 01: IDENTIFICATION

Product identifier..... 12022 BASE COAT BINDER
Initial supplier identifier..... Pro Form Products Ltd.
604 McGeachie Drive
Milton, Ontario L9T3Y5
Tel (905) 878-4990 Fax (905) 878-1189
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 **.
Recommended use and restrictions on .. Paints. This product should not be used for any other purpose other than the ones
use described in this section.
Chemical family..... Acrylic coating.
Hazard rating
NFPA rating..... Health: 2 Fire: 3 Reactivity: 0.
HMIS..... H: 2 F: 3 R: 0.

SECTION 02: HAZARD IDENTIFICATION



Signal Word..... DANGER.
Hazard Classification..... Flammable Liquid 2. Aspiration Toxicity 1. Skin Irritation — Category 2. Eye Irritant 2.
Specific Target Organ Toxicity — Single Exposure — Category 3.
Hazard Description..... H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters
airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause
drowsiness or dizziness.
Prevention..... 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. 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 P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and
follow instructions provided by the centre. P331 Do NOT induce vomiting. P302 + P352 - If
on skin: wash with plenty of water. 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. 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. P312 Call a POISON CENTER/doctor if you feel unwell. 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. P370 + P378 In case of fire - use dry chemical powder, CO2
or foam to extinguish.
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.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

| CHEMICAL NAME AND SYNONYMS | CAS # | WT. % |
|---|-----------|-------|
| n-Butyl Acetate | 123-86-4 | 30-40 |
| Xylene | 1330-20-7 | 10-20 |
| Propylene Glycol Monomethyl Ether Acetate | 108-65-6 | 5-10 |
| Methyl N-Amyl Ketone | 110-43-0 | 3-7 |

PRODUCT: 12022 BASE COAT BINDER**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

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|---------------|---------|-----|
| Acetone | 67-64-1 | 1-5 |
| Butyl Alcohol | 71-36-3 | 1-5 |

SECTION 04: FIRST-AID MEASURES

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| 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. |
| 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

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| Suitable and unsuitable extinguishing media | "Alcohol" foam, CO2, dry chemical. |
| Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products | Oxides of carbon (CO, CO2). Toxic vapours may be evolved upon exposure to heat or open flame. |
| 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. Heat will cause pressure buildup and may cause explosive rupture. |

SECTION 06: ACCIDENTAL RELEASE MEASURES

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| Leak/spill..... | Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. Evacuate all non-essential personnel. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. |
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SECTION 07: HANDLING AND STORAGE

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| Precautions for safe handling..... | Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. 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. |
| 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. |

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

| INGREDIENTS | ACGIH TLV | | PEL | OSHA PEL | | NIOSH |
|---|---------------------------------------|-----------------|-----------------|-----------------|------------------------|-------|
| | TWA | STEL | | STEL | REL | |
| n-Butyl Acetate | 50 ppm | 150 ppm | 150 ppm | 200 ppm | 150 ppm / STEL 200 ppm | |
| | CA ON: 50ppm (TWA), 150ppm (STEL) | | | | | |
| Xylene | 50 ppm | 150 ppm | 100 ppm TWA | Not established | Not established | |
| | CA ON: 100ppm (TWA); 150ppm (STEL) | | | | | |
| Propylene Glycol Monomethyl Ether Acetate | Not established | Not established | Not established | Not established | Not established | |
| Methyl N-Amyl Ketone | 50 ppm | Not established | 100 ppm | 465 mg/m3 TWA | Not established | |
| | CA ON: 25 ppm; 115 mg/m3 (TWA) | | | | | |
| Acetone | 250 ppm TLV | 500 ppm | 1,000 ppm | Not established | 250 ppm | |
| | CA ON AB: 500ppm (TWA); 750ppm (STEL) | | | | | |

PRODUCT: 12022 BASE COAT BINDER**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

| INGREDIENTS | TWA | ACGIH TLV STEL | PEL | OSHA PEL STEL | REL | NIOSH |
|---------------------------------------|---|-------------------|---------|------------------|-------------|-------|
| Butyl Alcohol | 20 ppm CA ON: 20 ppm (TWA) | Not established | 100 ppm | Not established | 50 ppm skin | |
| 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. | | | | | |
| 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

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| Appearance/Physical state..... | Liquid. |
| Odour..... | Solvent odour. |
| Odour threshold (ppm)..... | Not available. |
| Vapour pressure (mm Hg)..... | Not available. |
| Vapour density (air=1)..... | >1. |
| pH..... | Not applicable. |
| Relative Density (Specific Gravity)..... | 0.919 - 7.849 lb/usg (940.54 g/L). |
| Melting / Freezing point (deg C)..... | -40°C. |
| Solubility..... | Slightly soluble in water. |
| Initial boiling point / boiling range (deg C)..... | 98°C . |
| Evaporation rate..... | Moderate. |
| Flash point (deg C), method..... | -18°C (0°F) Closed Cup. |
| Auto ignition temperature (deg C)..... | 405°C. |
| Upper flammable limit (% vol)..... | 12.6. |
| Lower flammable limit (% vol)..... | 1.1. |
| Partition coefficient — n-octanol/water..... | Not available. |
| Decomposition temperature..... | Not available. |
| VOC (less water)..... | 5.53 lb/usg . |
| Viscosity..... | 1800 cps #4 Zahn @ 20 rpm. |

SECTION 10: STABILITY AND REACTIVITY

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| 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. |
| Conditions to avoid, including static discharge, shock or vibration | Keep away from heat. Incompatible with strong oxidizers. |
| Hazardous decomposition products..... | Oxides of carbon (CO,CO2). |
| Possibility of hazardous reactions..... | Will not occur under normal temperature and pressure. |

SECTION 11: TOXICOLOGICAL INFORMATION

| INGREDIENTS | LC50 | LD50 |
|---|-------------------------------------|---|
| n-Butyl Acetate | >33 mg/L vapour, (rat) dust/mist | 5.2 mg/L 10760 mg/kg (rat, oral) 14112 mg/kg (rabbit, dermal) |
| Xylene | 6350 ppm 4 hours rat | >3523 mg/kg rat oral |
| Propylene Glycol Monomethyl Ether Acetate | Not Available | 8,532 mg/kg (rat oral) >5,000 mg/kg (rabbit dermal) |
| Methyl N-Amyl Ketone | Not Available | 1,670 mg/kg rat oral 12,600 mg/kg rabbit dermal |
| Acetone | 50,100 mg/m3 8 hours, rat | 5,800 mg/kg (rat oral) |
| Butyl Alcohol | 8,000 ppm 4 hours | 790 mg/kg rat oral 3,400 mg/kg rabbit dermal |

PRODUCT: 12022 BASE COAT BINDER**SECTION 11: TOXICOLOGICAL INFORMATION**

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|----------------------------------|---|
| Route of exposure..... | Eye contact. Skin contact. Inhalation. |
| Effects of acute exposure..... | Aspiration of material into lungs can cause chemical pneumonitis which can be fatal. Can be irritating to eyes and skin. Causes respiratory tract irritation. |
| Effects of chronic exposure..... | Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. |
| Carcinogenicity of material..... | Xylene has been listed by IARC as a Group 3; not classifiable as to its carcinogenicity to humans. |
| Reproductive effects..... | No known reproductive effects. |

SECTION 12: ECOLOGICAL INFORMATION

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

SECTION 13: DISPOSAL CONSIDERATIONS

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| Information on safe handling for disposal and methods of disposal, including any contaminated packaging | Empty containers must be handled with care due to product residue. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. |
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SECTION 14: TRANSPORT INFORMATION

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| TDG Classification..... | UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - This product meets the Limited Quantity exemption when packaged in containers less than 5 liters. |
| IATA Classification (Air)..... | UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II. |
| IMDG Classification (Marine)..... | UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group 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

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| 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..... | Xylene. Butyl alcohol. N-Butyl Acetate. |
| EPA hazardous air pollutants (HAPS) 40CFR63 | Xylene. |
| California Proposition 65..... | This product does not contain any chemical(s) listed on California's Proposition 65. |

SECTION 16: OTHER INFORMATION

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| Prepared by: | REGULATORY AFFAIRS. |
| 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. |
| Telephone number:..... | (800) 387-7981. |
| Review Date:..... | 2022-11-30. |
| Date of the latest revision of the safety data sheet | 2016-04-14 |