



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

PRODUCT: 12008 BASE COAT BINDER 1 GAL

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..... 12008 BASE COAT BINDER 1 GAL

24 hour emergency number..... IN CANADA CALL CANUTEC 1-888-226-8832 (CAN-UTEC); IN THE UNITED STATES
CALL CHEMTREC 1-800-424-9300. .

Recommended use and restrictions on use.. Paints.

Chemical family..... Acrylic coating.

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

HMIS..... H: 2 F: 3 R: 0.

SECTION 02: Hazards identification



Signal Word..... DANGER.

Hazard Classification..... Flammable Liquid 2. Aspiration Toxicity 1. Skin Irritant 2. Eye Irritant 2. Acute Toxicity 4. Carcinogen 2. Reproductive 2. Single Target Organ Toxicity - Single Exposure 3. STOT RE 2.

Hazard Description..... H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. 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. H373 May cause damage to the liver and kidneys through prolonged or repeated contact.

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. P280 Wear protective gloves and eye protection. P264 Wash thoroughly after handling. P260 Do not breathe mist, vapours, or spray. P271 Use only outdoors or in a well ventilated area.

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 . P302 + P352 - If on skin: wash with plenty of water. . P332 + P313 - If skin irritation occurs get medical attention or advice. P362 + P364 - Take off contaminated clothing and wash before reuse. 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. P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P331 Do NOT induce vomiting. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P308 + P313 If exposed or concerned, get medical advice/attention. P321 - For specific treatment see section 4 on this SDS.

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

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

PRODUCT: 12008 BASE COAT BINDER 1 GAL**SECTION 03: Composition/Information on Ingredients**

| HAZARDOUS INGREDIENTS | CAS # | WT. % |
|------------------------|-----------|-------|
| Acetone | 67-64-1 | 20-30 |
| Toluene | 108-88-3 | 20-25 |
| Xylene | 1330-20-7 | 7-13 |
| Methyl Isobutyl Ketone | 108-10-1 | 3-7 |
| N-Butyl Acetate | 123-86-4 | 3-7 |
| Ethylbenzene | 100-41-4 | 1-3 |

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. Consult a physician if irritation continues. |
| Skin contact..... | Immediately remove all contaminated clothing; flush skin with water for at least 15 minutes. 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 swallowed, do not induce vomiting. Give large quantity of water. Call a physician immediately. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. |
| 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. Do not use water in a jet. |
| Hazardous combustion products..... | Oxides of carbon (CO, CO2). Toxic vapours may be evolved upon exposure to heat or open flame. |
| Special fire fighting procedures..... | 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. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Isolate area and keep unauthorized people away. Do not walk through spilled material. Wear recommended protective equipment. Cover spill with absorbent material and place in appropriate containers. Spill area can be washed with water. Collect wash water for approved 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

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| Handling procedures..... | 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..... | 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 | TWA | ACGIH TLV STEL | PEL | OSHA PEL STEL | REL | NIOSH |
|-------------|---------|-------------------|-----------|------------------|---------|-------|
| Acetone | 500 ppm | 750 ppm | 1,000 ppm | Not established | 250 ppm | |

PRODUCT: 12008 BASE COAT BINDER 1 GAL**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 |
| Methyl Isobutyl Ketone | 50 ppm | 75 ppm | 100 ppm | Not established | 50 ppm / STEL 75 ppm |
| N-Butyl Acetate | 150 ppm | 200 ppm | 150 ppm | 200 ppm | 150 ppm / STEL 200 ppm |
| Ethylbenzene | 100 ppm | 125 ppm | 100 ppm | Not established | 100 ppm / STEL 125 ppm |
| Protective equipment | | | | | |
| Eye/type..... | Chemical safety goggles and full faceshield if a splash hazard exists. | | | | |
| Respiratory/type..... | Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits. Be sure to use NIOSH approved respirator or equipment. Do not exceed the use limits of the respirator. | | | | |
| Gloves/ type..... | Chemical resistant gloves. | | | | |
| Clothing/type..... | Wear adequate protective clothes. Wear long sleeves and trousers to prevent dermal exposure. | | | | |
| Footwear/type..... | Safety boots per local regulations. | | | | |
| Other/type..... | Emergency showers and eye wash stations should be available. Eye wash facility and emergency shower should be in close proximity. | | | | |
| Appropriate engineering controls..... | Local exhaust should be used to maintain levels below the exposure limits. Explosion-proof exhaust ventilation. Avoid breathing mists; if general ventilation or local exhaust is inadequate, persons exposed to mists should wear approved breathing devices. | | | | |

SECTION 09: Physical and chemical properties

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| Physical state..... | Liquid. |
| Odour..... | Solvent odour. |
| Odour threshold (ppm)..... | Not available. |
| Vapour pressure (mm Hg)..... | Not available. |
| Vapour density (air=1)..... | >1. |
| pH..... | No data. |
| Relative Density (Specific Gravity)..... | 7.62 lbs/USD; 0.913. |
| Melting / Freezing point (deg C)..... | Not Available. |
| Solubility..... | Slightly soluble in water. |
| Initial boiling point / boiling range (deg C)..... | 56.2. |
| Evaporation rate..... | Not available. |
| Flash point (deg C), method..... | -18°C. (estimated). |
| Auto ignition temperature (deg C)..... | >215 C. |
| Upper flammable limit (% vol)..... | 12.6. |
| Lower flammable limit (% vol)..... | 1.0. |
| Coefficient of water/oil distribution..... | Not available. |
| VOC..... | 407 g/l - 3.39 lb/usg. |
| Viscosity..... | 92 sec Zahn #2. |

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..... | Keep away from heat. Incompatible with strong oxidizers. |
| Hazardous decomposition products..... | See hazardous combustion products section 5. |
| Possibility of hazardous reactions..... | Will not occur under normal temperature and pressure. |

SECTION 11: Toxicological information

| INGREDIENTS | LC50 | LD50 |
|-------------|--|--|
| Acetone | 50,100 mg/m ³ 8 hours rat inhalation | 5,800 mg/kg rat oral |
| Toluene | 8000 ppm rat inhalation 400 ppm mouse inhalation 24hr | 5,000 mg/kg rat oral; 12,124 mg/kg rabbit dermal |

PRODUCT: 12008 BASE COAT BINDER 1 GAL**SECTION 11: Toxicological information**

| INGREDIENTS | LC50 | LD50 |
|----------------------------------|---|---|
| Xylene | 6350 ppm 4 hours rat | >3523 mg/kg rat oral |
| Methyl Isobutyl Ketone | 8.2 - 16.4 mg/L 4 hours rat | 2080 mg/kg rat oral >16,000 mg/kg rabbit dermal |
| 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 |
| Ethylbenzene | No data | 3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal |
| Route of entry | Eye contact. Skin contact. Inhalation. Skin absorption. | |
| Effects of acute exposure..... | Irritating to eyes, skin and respiratory system. May be harmful if absorbed through the skin. May be toxic to blood, kidneys, nervous system, liver, brain, central nervous system, lungs, mucous membranes, gastrointestinal tract. This product is harmful if inhaled or swallowed. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal. | |
| Effects of chronic exposure..... | Prolonged or repeated exposure can produce target organ damage. Central nervous system effects. May cause skin defatting and dermatitis. Animal studies confirm that inhalation exposure to toluene may have neurotoxic effects. | |
| Carcinogenicity of material..... | Ethylbenzene is classified as an A3 known animal carcinogen. Methyl Isobutyl Ketone is possibly carcinogenic to humans (Group 2B). Acetone may contain trace amounts of benzene, a chemical known to cause cancer. | |
| 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. 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. Acetone has been shown to cause reproductive effects in rats by ingestion and inhalation. | |
| Mutagenicity..... | The data does not allow for an adequate assessment of the mutagenic effect. | |

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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| Waste disposal..... | Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch. 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. |
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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. |
| DOT Classification (Road)..... | UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - Ltd Qty (5 Liters/1.3 Gallons). |
| 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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| WHMIS 1988 classification..... | B2, D2A, D2B. |
| 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. Methyl Isobutyl Ketone. Toluene. Xylene. |
| EPA hazardous air pollutants (HAPS) | Ethylbenzene. Methyl Isobutyl Ketone. Toluene. Xylene. |
| 40CFR63 | |

PRODUCT: 12008 BASE COAT BINDER 1 GAL**SECTION 15: Regulatory information**

California Proposition 65..... *WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. (Methyl Isobutyl Ketone (D)). (Toluene).
 *WARNING: This product contains a chemical known to the State of California to cause cancer. (Ethyl benzene). (Methyl Isobutyl Ketone (C)).

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.

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