



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

PRODUCT: 18020 PLASTIC AND EMBLEM ADHESIVE

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..... 18020 PLASTIC AND EMBLEM ADHESIVE

Recommended use and restrictions on use.. Adhesive applications.

Chemical family..... Mixture.

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

HMIS..... H: 3 F: 3 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..... Flammable Liquid 2. Aspiration Toxicity 1. Skin Irritant 2. Eye Irritant 2A. Single Target Organ Toxicity - Single Exposure 3. Reproductive 1A. STOT RE 1. Aquatic Acute 2.

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. H360 May damage fertility or the unborn child. H372 Causes damage to organs through prolonged or repeated exposure. H401 Toxic to aquatic life.

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. P273 Avoid release to the environment. P280 Wear protective gloves and eye protection.

Response P321 - For specific treatment see section 4 on this SDS. P331 Do NOT induce vomiting. P362 + P364 - Take off contaminated clothing and wash before reuse. P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. 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. 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. P308 + P313 If exposed or concerned, get medical advice/attention. P332 + P313 - If skin irritation occurs get medical attention or advice. 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..... P405 Store locked up. P403 + P235 Store in well ventilated area. Keep cool.

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

Note 31.5. % of the mixture consists of an ingredient or ingredients of unknown acute toxicity. This product mixture has been classified based on its ingredients.

PRODUCT: 18020 PLASTIC AND EMBLEM ADHESIVE**SECTION 03: Composition/Information on Ingredients**

| HAZARDOUS INGREDIENTS | CAS # | WT. % |
|--------------------------------|------------|-------|
| Hydrogenated hydrocarbon resin | 68441-37-2 | 31.5 |
| Toluene | 108-88-3 | 20-30 |
| Hexane | 110-54-3 | 20-30 |

SECTION 04: First aid measures

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| 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. Consult a physician if irritation continues. |
| 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. Do not use solvents or thinners. |
| 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. Rinse mouth with water. Seek medical assistance as soon as possible. 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. 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

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| Suitable and unsuitable extinguishing media | "Alcohol" foam, CO ₂ , dry chemical. Water fog. In cases of larger fires, water spray should be used. Do not use water in a jet. |
| Hazardous combustion products..... | Oxides of carbon (CO, CO ₂). Hydrocarbon fumes and smoke. |
| 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. 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. Keep run-off water from entering sewers and other waterways. Dike for water control. |

SECTION 06: Accidental release measures

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| Leak/spill..... | No action shall be taken involving any personal risk or without suitable training. 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. Shovel into suitable unsealed containers, transport to well-ventilated area (outside) and treat with neutralizing solution: mixture of water (80%) with non-ionic surfactant Tergitol TMN-10 (20%); or water (90%), concentrated ammonia (3-8%) and detergent (2%). 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. Store away from oxidizing and reducing materials. Keep container closed when not in use. Store away from sunlight. |

SECTION 08: Exposure controls / personal protection

| INGREDIENTS | TWA | ACGIH TLV STEL | PEL | OSHA PEL STEL | REL | NIOSH |
|--------------------------------|-----|-------------------|-----|------------------|-----|---------|
| Hydrogenated hydrocarbon resin | -- | -- | -- | -- | | No data |

PRODUCT: 18020 PLASTIC AND EMBLEM ADHESIVE**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 |
| Hexane | 50 ppm | Not Established | 500 ppm | Not Established | 50 ppm |
| Protective equipment | | | | | |
| Eye/type..... | Liquid chemical goggles. 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. | | | | |
| Gloves/ type..... | Chemical resistant gloves. Nitrile rubber. Butyl rubber. | | | | |
| 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 at points of emission. Explosion-proof exhaust ventilation. | | | | |

SECTION 09: Physical and chemical properties

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| Physical state..... | Semi-solid. |
| Colour..... | Opaque. |
| Odour..... | Organic solvent. |
| Odour threshold (ppm)..... | Not available. |
| Vapour density (air=1)..... | 3.0. |
| Vapour pressure (psig)..... | 75.1 mmHg. |
| pH..... | Not available. |
| Relative Density (Specific Gravity)..... | 0.862. |
| Melting / Freezing point (deg C)..... | Not Available. |
| Solubility..... | No data. |
| Initial boiling point / boiling range (deg C).... | 69°C. |
| Evaporation rate..... | No data. |
| Flash point (deg C), method..... | -22 C. |
| Auto ignition temperature (deg C)..... | 225°C. |
| Upper flammable limit (% vol)..... | 7.5. |
| Lower flammable limit (% vol)..... | 1.1. |
| Coefficient of water/oil distribution..... | Not available. |
| VOC..... | 3.56 lbs/USG. 427 g/L. |
| Viscosity..... | Not Available. |

SECTION 10: Stability and reactivity

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| Reactivity | Not available. Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents. |
| Chemical stability..... | Stable at normal temperatures and pressures. |
| Possibility of hazardous reactions..... | High temperatures . |
| Conditions to avoid..... | Keep away from heat. Incompatible with strong oxidizers. |
| Hazardous decomposition products..... | By fire.: Dense black smoke. Oxides of carbon (CO,CO2). |

SECTION 11: Toxicological information

| INGREDIENTS | LC50 | LD50 |
|--------------------------------|--|---|
| Hydrogenated hydrocarbon resin | No data | No data |
| Toluene | 8000 ppm rat inhalation 400 ppm mouse inhalation 24hr | 5,000 mg/kg rat oral; 12,124 mg/kg rabbit dermal |
| Hexane | 48,000 ppm rat <4 hours | 28,710 rat oral |
| Route of exposure..... | Eye contact. Skin contact. Inhalation. | |
| Skin contact..... | Can cause moderate irritation, defatting and dermatitis. | |
| Skin absorption..... | May be harmful if absorbed through the skin. | |
| Eye contact..... | Can cause tearing, reddening and swelling. | |
| Inhalation (acute)..... | Excessive inhalation of vapours can cause respiratory irritation, dizziness, headache, vomiting and unconsciousness. | |

PRODUCT: 18020 PLASTIC AND EMBLEM ADHESIVE**SECTION 11: Toxicological information**

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| Inhalation (chronic)..... | Chronic exposure to organic solvent vapors have been associated with various neurotoxic effects including permanent brain and/or nervous system damage, kidney, liver, blood damage and reproductive effects among women. Symptoms may include nausea, vomiting, abdominal pain, headache, impaired memory, loss of coordination, insomnia and breathing difficulties. |
| Ingestion..... | Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into 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 exposure may cause lung damage, including a decrease in lung function. Prolonged or repeated skin contact may cause drying or cracking of skin. Possible damage to liver and kidneys. |
| Carcinogenicity of material..... | None known. |
| 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. |

SECTION 12: Ecological information

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| Environmental..... | H401 Toxic to aquatic life. 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..... | 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. |
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SECTION 14: Transport information

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| 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 Liters/1.3 Gallons). |
| IATA Classification (Air)..... | UN1133 - Adhesives containing flammable liquid - Class 3 - Packing Group II. Limited Quantity. |
| IMDG Classification (Marine)..... | UN1133 - Adhesives containing flammable liquid - Class 3 - Packing Group II EmS: F-E S-E. Limited Quantity. |
| Marine Pollutant..... | Yes. |
| 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..... | Not determined. |
| 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 | None. |
| Section 311/312 - hazard categories..... | Immediate health, delayed health, fire hazard. |
| Section 313..... | Hexane. Toluene. |
| EPA hazardous air pollutants (HAPS) | Hexane. Toluene. |
| 40CFR63 | |
| California Proposition 65..... | *WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. |

SECTION 16: Other information

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| 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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SECTION 16: Other information

Preparation date: OCT 17/2017