



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

PRODUCT: 18040 WEATHERSTRIP ADHESIVE AMBER

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..... 18040 WEATHERSTRIP ADHESIVE AMBER

Recommended use and restrictions on .. Automotive. 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. Aspiration Toxicity 1. Skin Irritant 2. Skin Sensitizer 1. Eye Irritation — Category 2A. Specific Target Organ Toxicity — Single Exposure — Category 3. (narcotic effects). Germ Cell Mutagenicity 1. Reproductive Toxicity — Category 2. Specific Target Organ Toxicity — Repeated Exposure — Category 2.

Hazard Description..... H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H340 May cause genetic defects. H361 This product contains ingredients that are suspected of damaging fertility or the unborn child. H373 May cause 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 mist, vapours, or spray. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. 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 . P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P331 Do NOT induce vomiting. 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. P302 + P352 - If on skin: wash with plenty of water. P362 + P364 - Take off contaminated clothing and wash before reuse. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P308 + P313 If exposed or concerned, get medical advice/attention. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. 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.

PRODUCT: 18040 WEATHERSTRIP ADHESIVE AMBER**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

| CHEMICAL NAME AND SYNONYMS | CAS # | WT. % |
|--|-------------|-------|
| Acetone | 67-64-1 | 15-40 |
| Toluene | 108-88-3 | 15-40 |
| Naphtha (petroleum), hydro-treated light | 64742-49-0 | 10-30 |
| Heptane, branched, cyclic and linear | 426260-76-6 | 10-30 |
| n-Heptane | 142-82-5 | 7-13 |
| Ethyl Acetate | 141-78-6 | 3-7 |
| Phenol, polymer with formaldehyde | 9003-35-4 | 3-7 |
| Rosin | 8050-09-7 | 1-5 |
| Chlorinated rubber | 9006-03-5 | 1-5 |

*Note: Solvent naphtha (petroleum) contains n-Heptane: CAS# 142-82-5

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

SECTION 04: FIRST-AID MEASURES

| | |
|---|---|
| Inhalation..... | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention. |
| Eye contact..... | Flush for 15 minutes using plenty of water. If irritation persists seek medical attention. Check for and remove any contact lenses, if safe and easy to do so. |
| Skin contact..... | Immediately remove all contaminated clothing; flush skin with water for at least 15 minutes. If irritation persists, seek medical attention. |
| Ingestion..... | Do not induce vomiting. Seek medical assistance as soon as possible. |
| Most important symptoms and effects, whether acute or delayed | Harmful if swallowed, in contact with skin or if inhaled. Causes skin and eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Can cause skin sensitization. Causes damage to organs through prolonged or repeated exposure. May cause genetic defects. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. |
| 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

| | |
|--|---|
| Suitable and unsuitable extinguishing media | Dry chemical. CO2. Foam. "Alcohol" foam. Dry sand. Do not use water in a jet. |
| Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products | Oxides of carbon (CO, CO2). Chloride. Hydrocarbons. Formaldehyde. |
| Special protective equipment and precautions for fire-fighters | Extremely flammable. Wear self-contained breathing apparatus. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. |
| Unusual fire / explosion hazards..... | Extremely flammable. Vapours may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapour source. |

SECTION 06: ACCIDENTAL RELEASE MEASURES

| | |
|-----------------|---|
| Leak/spill..... | Keep away from heat, sparks and flames. Ventilate area. Isolate area and keep unauthorized people away. Do not walk through spilled material. Prevent runoff into drains, sewers, and other waterways. Dike area to prevent spreading. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Use non-sparking tools and equipment to pick up the spilled material. Cover spill with absorbent material and place in appropriate containers. Spill area can be washed with water. Collect wash water for approved disposal. 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. Store in a cool well ventilated place away from incompatible materials. Always adopt precautionary measures against build-up of |
|------------------------------------|--|

PRODUCT: 18040 WEATHERSTRIP ADHESIVE AMBER**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling..... static which may arise from appliances, handling and the containers in which product is packed. Containers must be grounded and bonded. Do not use near sources of ignition, open flames or sparks. Do not cut, drill, weld or grind on or near the container. Open containers slowly to allow for any pressure build-up to escape. Keep containers closed when not in use. Vapours may accumulate in the head space of the drum. Avoid smoking, drinking or eating in use. Employees should wash hands and face before eating or drinking.

Conditions for safe storage, including any incompatibilities Store in a cool, dry and well ventilated area. Use proper grounding procedures when handling containers. Avoid static electricity - ground containers when transferring product. Store away from strong oxidizers. Keep away from acids and alkalis.

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 |
| Toluene | 20 ppm | Not established | 200 ppm | 500 ppm 10 minutes | 100 ppm / STEL 150 ppm |
| Naphtha (petroleum), hydro-treated light | 1640 mg/m3 (heptane) 1100 ppm (IDLH) | Not established | Not established | Not established | Not established |
| Heptane, branched, cyclic and linear | Not established | | Not established | | Not established |
| n-Heptane | 400 ppm | 500 ppm | 500 ppm | Not Established | 85 ppm / STEL 440 ppm |
| Ethyl Acetate | 400 ppm | Not established | 400 ppm | Not established | 400 ppm |
| Phenol, polymer with formaldehyde | Not established | | Not established | | Not established |
| Rosin | Dermal sensitizer | | Not established | | Not established |
| Chlorinated rubber | Not established | | Not established | | Not established |
| Respiratory/type..... | A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible in such instances. | | | | |
| Eye/type..... | Liquid chemical goggles. Chemical safety goggles and full faceshield if a splash hazard exists. | | | | |
| Gloves/ type..... | Chemical resistant gloves. | | | | |
| Clothing/type..... | Wear coveralls, long sleeves. | | | | |
| Footwear/type..... | Safety shoes. | | | | |
| 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. | | | | |
| 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. | | | | |

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state..... Liquid.

Colour..... Light amber or black.

Odour..... Aromatic odour.

Odour threshold (ppm)..... Not available.

Vapour pressure (mm Hg)..... <=184 mm Hg @ 20 °C (68 °F).

Vapour density (air=1)..... >= 2.0.

pH..... Not applicable.

Relative Density (Specific Gravity)..... 0.86 @ 20 °C.

Melting / Freezing point (deg C)..... Not available.

Solubility..... Not soluble in water.

Initial boiling point / boiling range (deg C). 53 - 78 °C.

Evaporation rate..... 11.6. (for Acetone).

Flash point (deg C), method..... < -30 °C (-22 °F) (Tag Closed Cup).

Auto ignition temperature (deg C)..... >203 C.

Upper flammable limit (% vol)..... 13.

Lower flammable limit (% vol)..... 1.0.

PRODUCT: 18040 WEATHERSTRIP ADHESIVE AMBER**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Coefficient of water/oil distribution..... Not available.
 VOC..... 550 g/L (4.59 lbs/gal).
 Viscosity..... 7000 – 9000 centipoise @ 20 °C (68 °F).

SECTION 10: STABILITY AND REACTIVITY

Chemical stability..... Stable at normal temperatures and pressures.
 Reactivity Avoid heat, sparks and flames. Reacts with strong oxidizers.
 Possibility of hazardous reactions..... Hazardous polymerization will not occur.
 Conditions to avoid, including static Direct sunlight. Extreme temperatures. Incompatible with strong oxidizers. Acids. Bases.
 discharge, shock or vibration Ignition sources.
 Hazardous decomposition products..... Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons. If air is present and temperatures exceed 150 deg c, small amounts of formaldehyde may be formed through oxidative decomposition.

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 |
| Naphtha (petroleum), hydro-treated light | 73680 ppm 4 hours rat | >5000 mg/kg (oral, rat) >3160 mg/mg (dermal, rabbit) |
| Heptane, branched, cyclic and linear | Not available | Not available |
| n-Heptane | 103 mg/m ³ rat 4 hr | > 5000 mg/kg (oral, rat) |
| Ethyl Acetate | 16,000 ppm 6 hours rat | 5,600 mg/kg rat oral |
| Phenol, polymer with formaldehyde | Not availalbe | > 5 g/kg (oral, rat) |
| Rosin | 110 mg/m ³ (inhal., rat) | 7600 mg/kg (oral, rat) |
| Chlorinated rubber | Not availalbe | Not availalbe |
| Route of exposure..... | Eye contact. Skin contact. Inhalation. Ingestion. | |
| Effects of acute exposure..... | Causes eye irritation. Can cause tearing, reddening and swelling. May cause temporary corneal damage. Causes skin irritation. Causes reddening, stinging and swelling. Persons previously sensitized can experience an allergic reaction with symptoms of reddening, itching, swelling and rash. Cured product is difficult to remove. Contact with MDI can cause discoloration. May cause drying or flaking of the skin. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal. Ingestion may cause severe injury to intestinal tract, liver, kidneys, stomach, throat, lungs, mouth and mucous membranes. Inhalation of vapours or mist may cause drowsiness or dizziness. If swallowed, this product may be aspirated and cause lung damage. | |
| Effects of chronic exposure..... | Overexposure may cause severe respiratory tract irritation. Prolonged or repeated contact may cause skin irritation. Prolonged overexposure may cause central nervous system depression with narcotic effects (headaches, dizziness, unconsciousness). Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal . | |
| Mutagenicity..... | May cause genetic defects. | |
| Carcinogenicity of material..... | IARC has classified Toluene as a Group 3 (Not classifiable as to its carcinogenicity to humans); ACGIH has classified Toluene as a Group A4 (Not classifiable as a human carcinogen). | |
| Reproductive effects..... | Toluene is known by the State of California to cause adverse fetal developmental effects. Suspected of causing genetic defects. | |
| Sensitizing capability of material..... | May cause sensitization by skin contact. | |
| Specific Target Organ Toxicity | May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure . | |

SECTION 12: ECOLOGICAL INFORMATION

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

PRODUCT: 18040 WEATHERSTRIP ADHESIVE AMBER**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. Empty containers must be handled with care due to product residue.

SECTION 14: TRANSPORT INFORMATION

TDG Classification..... UN1133 - ADHESIVES - Class 3, PG II. This product meets the Limited Quantity exemption when packaged in containers less than 5 Litres.
 DOT Classification (Road)..... UN1133 - ADHESIVES - Class 3 - Packing Group II - Ltd Qty (1 Liters/0.3 Gallons). Refer to 49CRF 172.101 for additional non-bulk packaging requirements.
 IATA Classification (Air)..... UN1133 - ADHESIVES - Class 3 - PG II. Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
 IMDG Classification (Marine)..... UN1133 - ADHESIVES - Class 3 - PG II EmS: F-E S-E. Limited Quantity. Check IMDG regulations for limited quantity exemptions.
 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

CEPA status..... On Domestic Substances List (DSL).
 TSCA inventory status..... All components are listed.
 SARA Title III
 Section 302 - extremely hazardous substances None.
 Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.
 Section 313..... Toluene. Hexane.
 EPA hazardous air pollutants (HAPS) 40CFR63 Toluene. Hexane.
 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). 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.
 Date of the latest revision of the safety data sheet .. JUL 30/2018