



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

PRODUCT: PF 456KIT CLEARCOAT CONTAINS PF 456, PF 457 & PBC 3001-4

SECTION 01: IDENTIFICATION

Product identifier..... PF 456KIT CLEARCOAT CONTAINS PF 456, PF 457 & PBC 3001-4
 Other means of identification
 Chemical family..... Mixture.
 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.
 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 **.
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 NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.
 HMIS..... H: 2 F:4 R: 0.

SECTION 02: HAZARD IDENTIFICATION



Hazard Classification..... Flammable Liquid 2. Skin Irritation — Category 2. Skin Sensitizer — Category 1. Eye Irritation — Category 2A. Specific Target Organ Toxicity — Single Exposure — Category 3. (narcotic effects). (respiratory system). Germ Cell Mutagenicity 1. Carcinogenicity — Category 2. Reproductive Toxicity — Category 1.
 Signal Word..... DANGER.
 Hazard Description..... H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H340 May cause genetic defects. H351 This product contains ingredients that are suspected of causing cancer. H360 May damage fertility or the unborn child.
 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. P261 Avoid breathing mists, vapours and sprays. 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 . 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. 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. 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: PF 456KIT CLEARCOAT CONTAINS PF 456, PF 457 & PBC 3001-4**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

| CHEMICAL NAME AND SYNONYMS | CAS # | WT. % |
|--|------------|-------|
| Acetone | 67-64-1 | 10-30 |
| 4-Chlorobenzotrifluoride | 98-56-6 | 10-30 |
| n-Butyl Acetate | 123-86-4 | 5-10 |
| Methyl N-Amyl Ketone | 110-43-0 | 5-10 |
| N-Butyl Propionate | 590-01-2 | 5-10 |
| Methyl Isobutyl Ketone | 108-10-1 | 1-5 |
| Dibutyltin Bis (Acetylacetonate) | 22673-19-4 | 0.1-1 |
| Xylene | 1330-20-7 | 0.1-1 |
| Ethylbenzene | 100-41-4 | 0.1-1 |
| Bis (1,2,2,6,6- Pentamethyl-4- Piperidyl) Sebacate | 41556-26-7 | 0.1-1 |

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

SECTION 04: FIRST-AID MEASURES

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| 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 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. Obtain medical attention immediately. |
| 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. Wash clothing before reuse. |
| Eye contact..... | In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Check for and remove any contact lenses, if safe and easy to do so. Obtain medical attention. |
| Most important symptoms and effects, whether acute or delayed | Harmful if swallowed, in contact with skin or if inhaled. Causes severe skin and eye irritation. Acetone is a serious eye irritant that can cause reversible damage to the cornea. It is slightly irritating to the skin. Can cause skin sensitization. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Contains ingredients that; Suspected of causing genetic defects. Suspected of damaging fertility or the unborn child. This product contains ingredients that may cause cancer. |
| 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 | Carbon dioxide, dry chemical, foam. Water spray. Do not use water in a jet. |
| Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products | Extremely flammable. Thermal decomposition products are toxic. May include: Oxides of carbon (CO, CO2). |
| 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. Vapour forms a flammable / explosive mixture with air between upper and lower flammable limits. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. Acetone is a highly flammable liquid. It is easily ignited in the presence of heat, an ignition source such as a naked flame or a spark (including electrostatic discharge). Aqueous solutions of acetone can also ignite. Acetone vapors are heavier than air and can travel a long distance to an ignition source and cause flashback. |

SECTION 06: ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures | Extremely flammable liquid. No action shall be taken involving any personal risk or without suitable training. Take precautions against static discharge. Equipment should be grounded. Use non-sparking tools and equipment to pick up the spilled material. 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. |
|--|--|

PRODUCT: PF 456KIT CLEARCOAT CONTAINS PF 456, PF 457 & PBC 3001-4**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Methods and materials for containment and cleaning up

Leak/spill..... Wear proper protective equipment. Eliminate all sources of ignition. Ventilate area to remove the remaining vapours. 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..... 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. Prevent accumulation of electrostatic charges. Avoid skin and eye contact. Avoid breathing vapours or mist. 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. Keep away from heat, sparks, and open flames. Store away from oxidizing and reducing materials.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

| INGREDIENTS | TWA | ACGIH TLV STEL | PEL | OSHA PEL STEL | REL | NIOSH |
|---|--|-------------------|-----------------|------------------|------------------------|-----------------|
| Acetone | 250 ppm TLV CA ON AB: 500ppm (TWA); 750ppm (STEL) | 500 ppm | 1,000 ppm | Not established | 250 ppm | |
| 4-Chlorobenzotrifluoride | Not established | Not established | Not established | Not established | Not established | Not established |
| n-Butyl Acetate | 50 ppm CA ON: 50ppm (TWA), 150ppm (STEL) | 150 ppm | 150 ppm | 200 ppm | 150 ppm / STEL 200 ppm | |
| Methyl N-Amyl Ketone | 50 ppm CA ON: 25 ppm; 115 mg/m3 (TWA) | Not established | 100 ppm | 465 mg/m3 TWA | Not established | |
| N-Butyl Propionate | Not Established | Not Established | Not Established | Not Established | Not Established | Not Established |
| Methyl Isobutyl Ketone | 50 ppm ON: 20 ppm (TWA), 75 ppm (STEL) | 75 ppm | 100 ppm | Not established | 50 ppm / STEL 75 ppm | |
| Dibutyltin Bis (Acetylacetonate) | Not established | Not established | Not established | Not established | Not established | Not established |
| Xylene | 50 ppm CA ON: 100ppm (TWA); 150ppm (STEL) | 150 ppm | 100 ppm TWA | Not established | Not established | |
| Ethylbenzene | 100 ppm CA ON: 20ppm (TWA) | 125 ppm | 100 ppm | Not established | 100 ppm / STEL 125 ppm | |
| Bis (1,2,2,6,6-Pentamethyl-4- Piperidyl) Sebacate | Not established | Not established | Not established | Not established | Not established | Not established |

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.

Respiratory/type..... Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits. Use NIOSH approved respirator or equipment. Do not exceed the use limits of the respirator.

Eye/type..... Chemical safety goggles. Chemical safety goggles and full faceshield if a splash hazard exists.

Gloves/ type..... Wear skin protection equipment. The selection of skin protection equipment depends on the nature of the work to be performed. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Contact glove supplier for recommendations.

PRODUCT: PF 456KIT CLEARCOAT CONTAINS PF 456, PF 457 & PBC 3001-4**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Clothing/type..... Wear adequate protective clothes. Wear long sleeves and trousers to prevent dermal exposure.
 Footwear/type..... Safety boots per local regulations.
 Other/type..... Eye wash facility and emergency shower should be in close proximity. Employees should wash their hands and face before eating, drinking, or using tobacco products.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state..... Liquid.
 Colour..... Clear, colourless.
 Odour..... Pungent odour. Fruity odour.
 Odour threshold (ppm)..... Not available.
 pH..... Not available.
 Melting / Freezing point (deg C)..... Not available.
 Initial boiling point / boiling range (deg C). 56°C (133 °F). (acetone).
 Flash point (deg C), method..... -18°C. (estimate; lowest flash point ingredient).
 Evaporation rate..... Not available.
 Flammability (solids and gases)..... Not applicable. Flammable liquid.
 Upper flammable limit (% vol)..... 12.6.
 Lower flammable limit (% vol)..... 1.0.
 Vapour pressure (mm Hg)..... Not available.
 Vapour density (air=1)..... Not available.
 Relative Density (Specific Gravity)..... 0.968.
 Pounds / USG..... 8.08.
 Solubility..... Partially in water.
 Partition coefficient — n-octanol/water..... Not available.
 Auto ignition temperature (deg C)..... > 200°C.
 Decomposition temperature..... Not available.
 Viscosity..... 15 sec Zahn #2.
 % Volatile by volume..... 48.35.
 VOC (less water)..... 2.01 lb/USG; 240.9 g/L.

SECTION 10: STABILITY AND REACTIVITY

Reactivity Product is stable; hazardous polymerization will not occur.
 Chemical stability..... Stable at normal temperatures and pressures.
 Possibility of hazardous reactions..... Hazardous polymerization will not occur.
 Conditions to avoid, including static discharge, shock or vibration Avoid heat, spark, open flames. Electrostatic charge.
 Incompatible materials..... Strong acids. Strong bases. Strong oxidizers. Reducing agents. Aldehydes. Acetone may ignite or react violently with strong oxidizing agents, such as chromic acid, chromium trioxide, chromyl chloride, hot nitric acid, potassium permanganate (in an alkaline medium), or peroxides.
 Hazardous decomposition products..... Hazardous decomposition products depend on temperature, air supply, and the presence of other materials. No hazardous decomposition products when stored and handled correctly. See hazardous combustion products section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

| INGREDIENTS | LC50 | LD50 |
|----------------------------------|---|--|
| Acetone | 50,100 mg/m ³ 8 hours, rat | 5,800 mg/kg (rat oral) |
| 4-Chlorobenzotrifluoride | 4479 ppm | >6,800 mg/kg (rat oral); >2,700 mg/kg (rabbit dermal) |
| n-Butyl Acetate | >33 mg/L vapour, 5.2 mg/L (rat) dust/mist | 10760 mg/kg (rat, oral) 14112 mg/kg (rabbit, dermal) |
| Methyl N-Amyl Ketone | Not Available | 1,670 mg/kg rat oral 12,600 mg/kg rabbit dermal |
| N-Butyl Propionate | >23.7 mg/L 6hr. | >5000 mg/kg (oral, rat) |
| Methyl Isobutyl Ketone | 8.2 - 16.4 mg/L 4 hours rat | 2080 mg/kg (rat oral) >16,000 mg/kg (rabbit dermal) |
| Dibutyltin Bis (Acetylacetonate) | Not Available | 1864 mg/kg (oral, rat) |
| Xylene | 6350 ppm 4 hours rat | >3523 mg/kg rat oral |
| Ethylbenzene | No data | 3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal |

PRODUCT: PF 456KIT CLEARCOAT CONTAINS PF 456, PF 457 & PBC 3001-4**SECTION 11: TOXICOLOGICAL INFORMATION**

| INGREDIENTS | LC50 | LD50 |
|--|--|--|
| Bis (1,2,2,6,6- Pentamethyl-4- Piperidyl) Sebacate | Not Available | 2369-3920 mg/kg (oral rat), >2000 mg/kg (dermal rabbit) |
| Route of exposure..... | Eye contact. Skin contact. Inhalation. | |
| Symptoms related to the physical, chemical and toxicological characteristics | | |
| Effects of acute exposure..... | Causes skin irritation. Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. Irritating to mucous membranes and upper respiratory tract. Excessive inhalation of this product may cause dizziness. | |
| Effects of chronic exposure..... | Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. | |
| Sensitizing capability of material..... | May cause sensitization by skin contact. | |
| Carcinogenicity of material..... | Methyl Isobutyl Ketone is possibly carcinogenic to humans (IARC Group 2B). Ethylbenzene is classified as an A3 known animal carcinogen. | |
| Reproductive effects..... | Dibutyltin Bis (Acetylacetonate):. May cause genetic defects. Reported to be a reproductive toxin. | |
| Specific Target Organ Toxicity | May cause drowsiness or dizziness. May cause respiratory irritation. | |

SECTION 12: ECOLOGICAL INFORMATION

| | |
|------------------------------------|--|
| Ecotoxicity..... | Product data not available. |
| Persistence and degradability..... | Product data not available. |
| Bioaccumulative potential..... | Product data not available. |
| Mobility in soil..... | Product data not available. |
| Other adverse effects..... | Do not allow to enter waters, waste water or soil. |

SECTION 13: DISPOSAL CONSIDERATIONS

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| 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. |
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SECTION 14: TRANSPORT INFORMATION

| | |
|-----------------------------------|--|
| 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 (1 litre). Refer to 49CFR 172.101 for additional non-bulk packaging requirements. |
| IATA Classification (Air)..... | UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II. Limited Quantity. Do not ship by air without checking appropriate IATA regulations. |
| IMDG Classification (Marine)..... | UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - EmS: F-E S-E. Limited Quantity. Check IMDG regulations for limited quantity exemptions. |
| Marine Pollutant..... | Potential marine pollutant. |
| 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. |
| 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..... | Methyl Isobutyl Ketone. Xylene. |
| EPA hazardous air pollutants (HAPS) 40CFR63 | Ethylbenzene. Methyl Isobutyl Ketone. Toluene. Xylene. |
| 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. (Methyl Isobutyl Ketone (D)). (Toluene). *** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer . (Methyl Isobutyl Ketone (C)). For more information, go to www.P65Warnings.ca.gov . |

PRODUCT: PF 456KIT CLEARCOAT CONTAINS PF 456, PF 457 & PBC 3001-4

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.

Review Date:..... 2022-11-30.
 Date of the latest revision of the safety .. 2021-01-14
 data sheet



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

PRODUCT: PF 457 ULTRA FAST CLEAR ACTIVATOR FOR PF 456

SECTION 01: IDENTIFICATION

Product identifier..... PF 457 ULTRA FAST CLEAR ACTIVATOR FOR PF 456
 Other means of identification
 Chemical family..... Mixture.
 Recommended use and restrictions on use .. Paints. This product should not be used for any other purpose other than the ones described in this section.
 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 **.
 -
 NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.
 HMIS..... H: 2 F: 4 R: 0.

SECTION 02: HAZARD IDENTIFICATION



Hazard Classification..... Flammable Liquid 2. Skin Sensitizer — Category 1. Eye Irritation — Category 2A. Acute Toxicity (Inhalation) — Category 4. Specific Target Organ Toxicity — Single Exposure — Category 3. (narcotic effects). (respiratory system).
 Signal Word..... DANGER.
 Hazard Description..... H225 Highly flammable liquid and vapour. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory 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. 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 . 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. 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. 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.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

| CHEMICAL NAME AND SYNONYMS | CAS # | WT. % |
|--|------------|-------|
| Hexane, 1,6-diisocyanato-, homopolymer | 28182-81-2 | 30-60 |
| tert-Butyl acetate | 540-88-5 | 15-40 |
| Methyl Acetate | 79-20-9 | 7-13 |

PRODUCT: PF 457 ULTRA FAST CLEAR ACTIVATOR FOR PF 456**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

| | | |
|--|----------|-------|
| Hexamethylene -1,6-Diisocyanate | 822-06-0 | 0.1-1 |
| <<The actual concentration(s) withheld as a trade secret>> . | | |

SECTION 04: FIRST-AID MEASURES

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|--|---|
| 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. Wash mouth out with water. 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. Obtain medical attention immediately. |
| 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. Wash clothing before reuse. Obtain medical attention. |
| Eye contact..... | In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Check for and remove any contact lenses, if safe and easy to do so. Obtain medical attention. |
| Most important symptoms and effects, whether acute or delayed | Harmful if swallowed, in contact with skin or if inhaled. Can cause skin sensitization. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. High vapour concentrations may be irritating to the respiratory tract. 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. An individual having a skin or pulmonary sensitization reaction to this material should be removed from exposure to any isocyanate. |

SECTION 05: FIRE-FIGHTING MEASURES

| | |
|--|---|
| Suitable and unsuitable extinguishing media | Carbon dioxide, dry chemical, foam. Water spray. Do not use water in a jet. |
| Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products | Extremely flammable. Thermal decomposition products are toxic. May include: Oxides of carbon (CO, CO ₂). Nitrogen oxides. During a fire, isocyanate vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion. Under hot acidic conditions: Isobutylene. Acetic acid. |
| 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. Vapour forms a flammable / explosive mixture with air between upper and lower flammable limits. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. |

SECTION 06: ACCIDENTAL RELEASE MEASURES

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures | Extremely flammable liquid. Take precautions against static discharge. Use non-sparking tools and equipment to pick up the spilled material. 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. |
| Methods and materials for containment and cleaning up Leak/spill..... | Isolate area and keep unauthorized people away. Do not walk through spilled material. Eliminate all sources of ignition. Wear proper protective equipment. Ventilate area to remove the remaining vapours. Absorb with an inert dry material and place in an appropriate waste container. Allow to stand uncovered for 72 hours to let carbon dioxide escape. Decontaminate the spill surface area using a neutralization solution. 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..... | Extremely flammable. 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. Avoid skin and eye contact. Avoid breathing vapours or mist. |
|------------------------------------|---|

PRODUCT: PF 457 ULTRA FAST CLEAR ACTIVATOR FOR PF 456**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling..... Warning properties (irritation of the eyes, nose and throat or odor) are not adequate to prevent overexposure from inhalation. Individuals with lung or breathing problems or prior allergic reactions to isocyanates must not be exposed vapour or spray mist. Employees should wash hands and face before eating or drinking.

Conditions for safe storage, including any incompatibilities Keep away from heat, sparks, and open flames. Store in a cool, dry and well ventilated area. Store away from oxidizing and reducing materials. Avoid: Water, Amines, Strong bases, Alcohols, Copper alloys. Attacks some types of rubber, plastics and coatings.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

| INGREDIENTS | TWA | ACGIH TLV STEL | PEL | OSHA PEL STEL | REL NIOSH |
|-------------|-----|-------------------|-----|------------------|-----------|
|-------------|-----|-------------------|-----|------------------|-----------|

| | | | | | |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|
| Hexane, 1,6-diisocyanato- homopolymer | Not Established | Not Established | Not Established | Not Established | Not Established |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|

| | | | | | |
|--------------------|--|-----------------|---------|-----------------|---------|
| tert-Butyl acetate | Not Established Supplier OEL: 0.5mg/m3 (TWA) 200 ppm | Not established | 200 ppm | Not established | 200 ppm |
|--------------------|--|-----------------|---------|-----------------|---------|

| | | | | | |
|----------------|---------|---------|---------|---------------------------|---------|
| Methyl Acetate | 200 ppm | 250 ppm | 200 ppm | 250 ppm in some States | 200 ppm |
|----------------|---------|---------|---------|---------------------------|---------|

| | | | | | |
|------------------------------------|-----------|-----------------|-----------------|-----------------|-----------|
| Hexamethylene -1,6-Diisocyanate | 0.005 ppm | Not established | Not established | Not established | 0.005 ppm |
|------------------------------------|-----------|-----------------|-----------------|-----------------|-----------|

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.

Respiratory/type..... Local exhaust ventilation is recommended. Use NIOSH approved respirator or equipment. Do not exceed the use limits of the respirator. Use a respirator that is recommended or approved for use in isocyanate-containing environments. Whenever concentrations of isocyanates exceed the exposure limit or are not known, respiratory protection must be worn.

Eye/type..... Chemical safety goggles. Chemical safety goggles and full faceshield if a splash hazard exists.

Gloves/ type..... Wear skin protection equipment. The selection of skin protection equipment depends on the nature of the work to be performed. The following gloves are recommended :. Butyl rubber. Nitrile rubber. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Contact glove supplier for recommendations.

Clothing/type..... Wear adequate protective clothes. Wear long sleeves and trousers to prevent dermal exposure.

Footwear/type..... Safety boots per local regulations.

Other/type..... Eye wash facility and emergency shower should be in close proximity. Employees should wash their hands and face before eating, drinking, or using tobacco products.

Medical surveillance..... Medical supervision of all employees who handle or come in contact with isocyanates is recommended. These should include preemployment and periodic medical examinations with pulmonary function test (FEC, FVC as a minimum). Persons with asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases or recurring skin eczema or sensitization should be excluded from working with isocyanates. Once a person is diagnosed as sensitized to an isocyanate, no further exposure can be permitted.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state..... Liquid.

Colour..... Clear, colourless.

Odour..... Characteristic odour. Camphor-like.

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

pH..... Not applicable.

Melting / Freezing point (deg C)..... < -30°C.

Initial boiling point / boiling range (deg C)..... >55 °C.

Flash point (deg C), method..... -15.6°C. (estimate; lowest flash point ingredient).

Evaporation rate..... 1.0.

Flammability (solids and gases)..... Not applicable. Flammable liquid.

Upper flammable limit (% vol)..... 16.0.

PRODUCT: PF 457 ULTRA FAST CLEAR ACTIVATOR FOR PF 456**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

| | |
|--|--|
| Lower flammable limit (% vol)..... | 1.0. |
| Vapour pressure (mm Hg)..... | < . 179.5 mmHg @ 20°C. |
| Vapour density (air=1)..... | Not available. |
| Relative Density (Specific Gravity)..... | 1.029. |
| Pounds / USG..... | 8.59. |
| Solubility..... | Contains an ingredient that reacts with water. |
| Partition coefficient — n-octanol/water..... | Not available. |
| Decomposition temperature..... | Not available. |
| Auto ignition temperature (deg C)..... | 445°C. |
| Viscosity..... | 15 sec Zahn #2. |
| % Volatile by volume..... | 0.0. |
| VOC (less water)..... | 0.0. |

SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | Contact with moisture, other materials that react with isocyanates, or temperatures above 177 C, may cause polymerization. |
| Chemical stability..... | Stable at normal temperatures and pressures. |
| Possibility of hazardous reactions..... | Will not occur under normal temperature and pressure. Contact with moisture, other materials that react with isocyanates, or temperatures above 177C, may cause polymerization. |
| Conditions to avoid, including static discharge, shock or vibration | Avoid heat, spark, open flames. Keep away from freezing temperatures. |
| Incompatible materials..... | Water, Amines, Strong bases, Alcohols, Copper alloys. Strong oxidizing agents. Acids. Nitrates. Plastics. |
| Hazardous decomposition products..... | Hazardous decomposition products depend on temperature, air supply, and the presence of other materials. See hazardous combustion products section 5. |

SECTION 11: TOXICOLOGICAL INFORMATION

| INGREDIENTS | LC50 | LD50 |
|--|--|--|
| Hexane, 1,6-diisocyanato-, homopolymer | 4.63 mg/L rat 4 hours | >5,000 mg/kg oral rat >5,000 mg/kg dermal rabbit |
| tert-Butyl acetate | >2,230 mg/m3 4 hours rat | 4,100 mg/kg (rat, oral); >2,000 mg/kg (rabbit, dermal) |
| Methyl Acetate | >49 mg/L (4 hr) rat | 6482 mg/kg (oral rat); >2,000 mg/kg (dermal rat) |
| Hexamethylene -1,6-Diisocyanate | 22 ppm 4 hours rat | 738 mg/kg rat oral 593 mg/kg rabbit dermal |
| Route of exposure..... | Eye contact. Skin contact. Inhalation. | |
| Symptoms related to the physical, chemical and toxicological characteristics | | |
| Effects of acute exposure..... | Hazardous in contact with skin, by ingestion, and by inhalation. Breathing this material may be harmful. Irritating to mucous membranes and upper respiratory tract. Excessive inhalation of this product may cause dizziness. Causes skin irritation. Causes serious eye irritation. Isocyanate vapour/mists at concentrations above the exposure limits can irritate (burning sensation) the mucous membranes in the respiratory tract. This can cause a runny nose, sore throat, coughing, chest discomfort, difficult breathing and reduced pulmonary functioning. | |
| Effects of chronic exposure..... | Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis. | |
| Carcinogenicity of material..... | The components of this product are not listed by IARC, NTP or regulated as a carcinogen by OSHA. | |
| Reproductive effects..... | No known reproductive effects. | |
| Sensitizing capability of material..... | May cause sensitization by skin contact. Isocyanates are known to cause skin and respiratory sensitization in humans. Animal tests have indicated that respiratory sensitization can result from skin contact with diisocyanates. | |
| Specific Target Organ Toxicity | May cause drowsiness or dizziness. May cause respiratory irritation. | |

SECTION 12: ECOLOGICAL INFORMATION

| | |
|------------------------------------|--|
| Ecotoxicity..... | Product data not available. |
| Persistence and degradability..... | Product data not available. |
| Bioaccumulative potential..... | Product data not available. |
| Mobility in soil..... | Product data not available. |
| Other adverse effects..... | Do not allow to enter waters, waste water or soil. |

PRODUCT: PF 457 ULTRA FAST CLEAR ACTIVATOR FOR PF 456**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..... 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 (1 litre). Refer to 49CFR 172.101 for additional non-bulk packaging requirements.
 IATA Classification (Air)..... UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II. Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
 IMDG Classification (Marine)..... UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - EmS: F-E S-E. Limited Quantity. Check IMDG regulations for limited quantity exemptions.
 Marine Pollutant..... Potential marine pollutant.
 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.
 OSHA..... This product is considered hazardous under the OSHA Hazard Communication Standard.
 SARA Title III
 Section 302 - extremely hazardous None.
 substances
 Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.
 Section 313..... Hexamethylene diisocyanate.
 EPA hazardous air pollutants (HAPS) Hexamethylene diisocyanate.
 40CFR63
 California Proposition 65..... This product does not contain any chemical(s) known to the State of California to cause cancer or reproductive toxicity. 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.
 Review Date:..... 2022-11-30.
 Date of the latest revision of the safety .. 2021-01-14
 data sheet



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

PRODUCT: PBC 3001-4 EXTRA CUT COMPOUND

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..... PBC 3001-4 EXTRA CUT COMPOUND

Recommended use and restrictions on .. Compound.
use

Chemical family..... Mixture.

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

HMIS..... H: 2 F: 2 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 3. Aspiration Toxicity 1. Skin Irritation — Category 2. Eye Irritation — Category 2A. Specific Target Organ Toxicity — Repeated Exposure — Category 1. Health Hazard Not Otherwise Classified 1. Causes serious damage to the respiratory tract.

Hazard Description..... H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H372 Causes damage to organs through prolonged or repeated exposure.

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. P260 Do not breathe mist, vapours, or spray. P264 Wash thoroughly after handling. P270 Do not eat drink or smoke while using this product. 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. 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. P314 - Get medical advice/attention if you feel unwell.

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.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

| CHEMICAL NAME AND SYNONYMS | CAS # | WT. % |
|--|------------|-------|
| Naphtha (petroleum), heavy alkylate | 64741-65-7 | 7-13 |
| Distillates (Petroleum) Hydrotreated Light | 64742-47-8 | 7-13 |
| Propylene glycol monobutyl ether | 5131-66-8 | 1-5 |
| Monoethanolamine | 141-43-5 | 1-5 |

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

PRODUCT: PBC 3001-4 EXTRA CUT COMPOUND**SECTION 04: FIRST-AID MEASURES**

| | |
|---|--|
| 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. Do not induce vomiting. 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. |
| Most important symptoms and effects, whether acute or delayed | Harmful if swallowed, in contact with skin or if inhaled. Causes skin irritation. Causes serious 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. |
| 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

| | |
|--|---|
| Suitable and unsuitable extinguishing media | "Alcohol" foam, CO ₂ , dry chemical. In cases of larger fires, water spray should be used. 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, CO ₂). Other potentially toxic fumes. |
| 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. 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. Keep run-off water from entering sewers and other waterways. Dike for water control. |
| Unusual fire / explosion hazards..... | 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..... | Ventilate. Eliminate all sources of ignition. Avoid all personal contact. Evacuate all non-essential personnel. Contain the spill. Prevent runoff into drains, sewers, and other waterways. Remove all possible sources of ignition in the surrounding area. Use explosion-proof or hand pumps and non-sparking tools and equipment. 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. This material is a static accumulator. Prevent accumulation of electrostatic charges. 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. |
| 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 | TWA | ACGIH TLV STEL | PEL | OSHA PEL STEL | REL | NIOSH |
|--|--|-------------------|-----------------|------------------|-----|-----------------|
| Naphtha (petroleum), heavy alkylate | 525 mg/m ³ | Not established | Not established | Not established | | Not established |
| Distillates (Petroleum) Hydrotreated Light | 1200 mg/m ³ | 197 ppm | Not established | Not established | | Not established |
| | CA BC: 200mg/m ³ (TWA) Skin | | | | | |
| Propylene glycol monobutyl ether | Not Established | Not Established | Not Established | Not Established | | Not Established |

PRODUCT: PBC 3001-4 EXTRA CUT COMPOUND**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

| INGREDIENTS | TWA | ACGIH TLV STEL | PEL | OSHA PEL STEL | REL NIOSH |
|---------------------------------------|---|-------------------|-----------------|------------------|-----------------|
| Monoethanolamine | 3 ppm | 6 ppm | Not Established | Not Established | Not Established |
| Respiratory/type..... | Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits. | | | | |
| Eye/type..... | Liquid chemical goggles. Chemical safety goggles and full faceshield if a splash hazard exists. | | | | |
| 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. 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. | | | | |

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-----------------------------|
| Appearance/Physical state..... | Liquid. |
| Colour..... | Milky white. |
| Odour..... | Weak petroleum hydrocarbon. |
| Odour threshold (ppm)..... | Not available. |
| Vapour pressure (mm Hg)..... | No data. |
| Vapour density (air=1)..... | >1. |
| pH..... | 7.0 - 9.0. |
| Relative Density (Specific Gravity)..... | 7.6 lbs/USD - 0.910. |
| Melting / Freezing point (deg C)..... | < 0 °C. |
| Solubility..... | Water dilutable. |
| Initial boiling point / boiling range (deg C). | > 100° C. |
| Evaporation rate..... | <1. |
| Flash point (deg C), method..... | 56. (Closed Cup). |
| Auto ignition temperature (deg C)..... | 246C. |
| Upper flammable limit (% vol)..... | 23.5. |
| Lower flammable limit (% vol)..... | 0.5. |
| Partition coefficient — n-octanol/water..... | Not available. |
| VOC (less water)..... | 1.68 lbs/USG. |
| Viscosity..... | 1932 cps Spindle #4. |

SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| 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. Heating above 60°C in the presence of aluminum can result in corrosion and generation of flammable hydrogen gas. . |
| Possibility of hazardous reactions..... | Hazardous polymerization will not occur. |
| Conditions to avoid, including static | Keep away from heat. Incompatible with strong oxidizers. |
| discharge, shock or vibration | |
| Hazardous decomposition products..... | Oxides of carbon (CO,CO2). Thermal decomposition may release acrolein. Does not decompose up to 204°C (400°F). |

SECTION 11: TOXICOLOGICAL INFORMATION

| INGREDIENTS | LC50 | LD50 |
|--|--|--|
| Naphtha (petroleum), heavy alkylate | >4000 mg/kg dermal rat | >8000 mg/kg oral rat |
| Distillates (Petroleum) Hydrotreated Light | >5.2 mg/L (4 hr.) | >5000 mg/kg (oral, rat), >2000 mg/kg (dermal, rabbit) |
| Propylene glycol monobutyl ether | >651 ppm 4 Hr Rat | 2,700 mg/kg Rat Oral >2,000 mg/kg Rat Skin |
| Monoethanolamine | 232 ppm Guinea Pig | 1720 mg/kg Rat Oral 1018 mg/kg Rabbit Dermal |
| Route of exposure..... | Eye contact. Skin contact. Inhalation. | |

PRODUCT: PBC 3001-4 EXTRA CUT COMPOUND**SECTION 11: TOXICOLOGICAL INFORMATION**

| | |
|---|---|
| Effects of acute exposure..... | The aromatic hydrocarbon solvents in this product can be irritating to the eyes, nose and throat. In high concentration, they may cause central nervous system depression and narcosis characterized by nausea, lightheadedness and dizziness from overexposure by inhalation. May be harmful if absorbed through the skin. |
| Effects of chronic exposure..... | Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Prolonged or repeated skin contact may cause drying or cracking of skin. |
| Carcinogenicity of material..... | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC or ACGIH. |
| Reproductive effects..... | No known reproductive effects. |
| Sensitizing capability of material..... | May cause sensitization by skin contact. |
| Specific Target Organ Toxicity | 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..... | Not available. |

SECTION 13: DISPOSAL CONSIDERATIONS

| | |
|---|---|
| Information on safe handling for disposal and methods of disposal, including any contaminated packaging | Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations. |
|---|---|

SECTION 14: TRANSPORT INFORMATION

| | |
|-----------------------------------|--|
| TDG Classification..... | UN1993 - FLAMMABLE LIQUIDS, N.O.S. (Petroleum distillate) - Class 3 - Packing Group III - This product meets limited quantity exemption when shipped in containers less than 5 litres. |
| DOT Classification (Road)..... | UN1993 - FLAMMABLE LIQUID, N.O.S. (Petroleum distillates) - Class 3 - PGIII - Ltd Qty (5 Liters/1.3 Gallons). |
| IATA Classification (Air)..... | UN1993 - FLAMMABLE LIQUIDS, N.O.S. (Petroleum distillates) - Class 3 - Packing Group III . Limited Quantity. Do not ship by air without checking appropriate IATA regulations. |
| IMDG Classification (Marine)..... | UN1993 - FLAMMABLE LIQUIDS, N.O.S. (Solvent naphtha) - Class 3 - Packing Group III . EmS: F-E, S-E. Limited Quantity. Check IMDG regulations for limited quantity exemptions. |
| 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 DSL, or exempt. |
| TSCA inventory status..... | All components are either listed or exempt from the TSCA. . |
| OSHA..... | This product is considered hazardous under the OSHA Hazard Communication Standard. |
| SARA Title III Section 302 - extremely hazardous | None. |
| substances Section 311/312 - hazard categories..... | Immediate health, delayed health, fire hazard. |
| Section 313..... | Aluminum Oxide (fibrous forms only). |
| EPA hazardous air pollutants (HAPS) | Methylene Chloride (Dichloromethane). 1,3-Dichloropropene. |
| 40CFR63 California Proposition 65..... | *** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer . (Dichloroprene). (Ethyl acrylate). (Methylene chloride). 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. |
| Review Date:..... | 2022-11-30. |

PRODUCT: PBC 3001-4 EXTRA CUT COMPOUND

SECTION 16: OTHER INFORMATION

Date of the latest revision of the safety .. 2018-07-12
data sheet