



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

PRODUCT: PF688CMP4: PF 688C CLEARCOAT 4:1 2.1 VOC

SECTION 01: IDENTIFICATION

Product identifier..... PF 688C CLEARCOAT 4:1 2.1 VOC
 Other means of identification
 Chemical family..... Mixture.
 Recommended use and restrictions on .. Paint related materials.
 use
 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 Corrosion/Irritation — Category 2. Sensitization - Skin — Category 1. Serious Eye Damage/Eye Irritation — Category 2A. Specific Target Organ Toxicity — Single Exposure — Category 3. (CNS). Reproductive Toxicity — Category 2. Carcinogenicity — Category 2. Aquatic Acute 1. Aquatic Chronic 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. H351 This product contains ingredients that are suspected of causing cancer. H361 Suspected of damaging fertility or the unborn child. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
 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. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P271 Use only outdoors or in a well ventilated area. P280 Wear protective gloves and eye protection.
 Response P302 + P352 - If on skin: wash with plenty of water. 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. P312 Call a POISON CENTER/doctor if you feel unwell. P321 - For specific treatment see section 4 on this SDS. P332 + P313 - If skin irritation occurs get medical attention or advice. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P337 + P313 - If eye irritation persists get medical attention. P362 + P364 - Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P391 Collect spillage.
 Storage..... P403+P433+P435 Store in a well ventilated area. Keep container tightly closed. Keep cool. P405 Store locked up.
 Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.
 Other hazards..... None known.
 Note This product mixture has been classified based on its ingredients.

PRODUCT: PF 688C CLEARCOAT 4:1 2.1 VOC**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
4-Chlorobenzotrifluoride	98-56-6	30-60
Acetone	67-64-1	10-30
n-Butyl Acetate	123-86-4	10-30
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	82919-37-7	0.1-1
Bis (1,2,2,6,6- Pentamethyl-4- Piperidyl) Sebacate	41556-26-7	0.1-1
C7-C9 Branched Alkyl Esters	127519-17-9	0.1-1

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

SECTION 04: FIRST-AID MEASURES

Skin contact.....	Flush affected area with water for at least 15 minutes. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.
Eye contact.....	In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Remove contact lenses if safe to do so. Obtain 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.....	Do not induce vomiting. Rinse mouth with plenty of 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. If symptoms persist, immediately obtain medical help.
Most important symptoms and effects, whether acute or delayed	May cause respiratory irritation. Can cause skin sensitization. Causes skin and eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed, if necessary	Treat symptomatically.
Additional information.....	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 extinguishing media.....	"Alcohol" foam, CO2, dry chemical. Water spray.
Unsuitable extinguishing media.....	Do not use solid water streams or water jet.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Extremely flammable. Hazardous combustion products may include but not limited to: 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. Use water spray to cool containers. Do not allow run-off into drains, surface waters or ground waters.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	No action shall be taken involving any personal risk or without suitable training. Avoid breathing vapours. Evacuate personnel to a safe area. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Wear appropriate personal protection equipment.
Environmental precautions.....	Do not allow product to leak into drains or waterways. If spill does contaminate waterways then inform authorities.
Methods and materials for containment and cleaning up	Contain spilled material and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling.....	Extremely flammable. Avoid formation of aerosol. Do not spray on a naked flame or any incandescent material. Obtain special instructions before use. No smoking. Use in well ventilated areas. Keep away from heat, sparks, and open flame. Ground handling equipment. 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. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid breathing vapours or mist. Handle and open container with care. Dispose of rinse water according to local, Provincial and Federal guidelines. Employees should wash hands and face before eating or drinking. Handle in accordance with good industrial hygiene and safety practices.
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PRODUCT: PF 688C CLEARCOAT 4:1 2.1 VOC**SECTION 07: HANDLING AND STORAGE**

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks, and open flames. Keep container closed when not in use. Use explosion proof equipment in areas where vapour concentrations can become ignitable. Store away from oxidizing and reducing materials. Store away from sunlight. Store in a cool and dry place, for product integrity. Do not cut, grind or weld on or near container, do not expose containers to heat, flame, sparks, static electricity, or other sources of ignition: the containers may explode and cause injury or death. Precautions should generally be taken against electrostatic charges according to the equipment used and the way the product is handled and packaged. Avoid sources of ignition. Electrical installations / working materials must comply with the technological safety standards. Incompatible materials include, but not limited to: Strong oxidizing agents. Bases. Plastics. Rubber. Amines. Reducing agents. Strong bases. Oxidizing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
4-Chlorobenzotrifluoride	Not established	Not established	Not established	Not established	Not established	Not established
Acetone	250 ppm TLV CA ON AB: 500ppm (TWA); 750ppm (STEL)	500 ppm	1,000 ppm	Not established	250 ppm	250 ppm
n-Butyl Acetate	50 ppm CA ON: 50ppm (TWA), 150ppm (STEL)	150 ppm	150 ppm	200 ppm	150 ppm / STEL 200 ppm	150 ppm / STEL 200 ppm
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	Not Established	Not Established	Not Established	Not Established	Not Established	Not Established
Bis (1,2,2,6,6-Pentamethyl-4- Piperidyl) Sebacate	Not established	Not established	Not established	Not established	Not established	Not established
C7-C9 Branched Alkyl Esters	Not established	Not established	Not established	Not established	Not established	Not established
Appropriate engineering controls.....	Use local exhaust or general room ventilation sufficient to prevent overexposure. Explosion-proof exhaust ventilation.					
Personal Protective Equipment Gloves/ type.....	Wear skin protection equipment. The selection of skin protection equipment depends on the nature of the work to be performed. Consult your personal protective equipment supplier for additional recommendations.					
Eye/type.....	Liquid chemical goggles. Chemical safety goggles and full faceshield if a splash hazard exists. Consult your personal protective equipment supplier for additional recommendations.					
Respiratory/type.....	Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits. Consult your personal protective equipment supplier for additional recommendations.					
Clothing/type.....	Wear chemical resistant clothing. Consult your personal protective equipment supplier for additional recommendations.					
Footwear/type.....	Wear chemical resistant safety boots. Consult your personal protective equipment supplier for additional recommendations.					
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.					

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state.....	Liquid.
Colour.....	Colourless.
Odour.....	Aromatic.
Odour threshold (ppm).....	Not available.
pH.....	Not available.
Melting / Freezing point (deg C).....	Not available.
Initial boiling point / boiling range (deg C).	Not available.
Flash point (deg C), method.....	-20°C .
Evaporation rate.....	Not available.
Flammability (solids and gases).....	Flammable liquid.
Upper flammable limit (% vol).....	Not available.
Lower flammable limit (% vol).....	Not available.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	Not available.

PRODUCT: PF 688C CLEARCOAT 4:1 2.1 VOC**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Relative Density (Specific Gravity).....	1.106.
Solubility.....	Not available.
Partition coefficient — n-octanol/water.....	Not available.
Auto ignition temperature (deg C).....	Not available.
Decomposition temperature.....	Not available.
Viscosity.....	Not available.
% Volume Volatile exempt.....	54.87.
Formula LBS/GAL.....	9.23.
% Weight Solids.....	30.89.
% Volume Solids.....	28.87.
% Weight Volatile (VOC).....	12.62.
% Volume Volatile (VOC).....	16.24.
LBS VOC/GAL solids.....	4.0.
Total MIR.....	0.20.
Coverage (sq ft/gal @ 1 mil).....	463.
VOC LBS/GAL less exempt volatiles.....	2.58.
VOC LBS/GAL less water.....	1.16.
Percent weight binder.....	30.2.
Percent volume binder.....	28.2.
Percent weight catalyst.....	0.10.
Percent volume catalyst.....	0.11.
Eq.Wt.OH.....	1784.29.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Avoid heat, sparks and flames.
Chemical stability.....	Stable at normal temperatures and pressures.
Possibility of hazardous reactions.....	Will not occur under normal temperature and pressure. Vapours may form explosive mixture with air.
Conditions to avoid, including static discharge, shock or vibration	Avoid heat, spark, open flames. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Avoid electrostatic discharge.
Incompatible materials.....	Strong oxidizing agents. Bases. Plastics. Rubber. Amines. Oxidizing agents. Strong bases. Reducing agents.
Hazardous decomposition products.....	Carbon dioxide. Carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
4-Chlorobenzotrifluoride	4479 ppm	>6,800 mg/kg (rat oral); >2,700 mg/kg (rabbit dermal)
Acetone	50,100 mg/m ³ 8 hours, rat	5,800 mg/kg (rat oral)
n-Butyl Acetate	>33 mg/L vapour, 5.2 mg/L (rat) dust/mist	10760 mg/kg (rat, oral) 14112 mg/kg (rabbit, dermal)
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	Not Available	3,230 mg/kg rat, oral
Bis (1,2,2,6,6- Pentamethyl-4- Piperidyl) Sebacate	Not Available	2369-3920 mg/kg (oral rat), >2000 mg/kg (dermal rabbit)
C7-C9 Branched Alkyl Esters	Not Available	>2,000 mg/kg oral rat >2,000 mg/kg dermal rat

Route of exposure.....	Eye contact. Skin contact. Inhalation. Ingestion.
Symptoms related to the physical, chemical and toxicological characteristics	
Effects of acute exposure.....	Causes serious eye irritation. Causes skin irritation. High concentrations may cause central nervous system depression such as drowsiness, headache, dizziness, vertigo, nausea and fatigue.
Skin corrosion/irritation.....	Causes skin irritation.
Serious eye damage/eye irritation.....	Causes serious eye irritation.
Respiratory Sensitization.....	Not expected to be a respiratory sensitizer.
Skin Sensitization.....	May cause an allergic skin reaction.
Carcinogenicity.....	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.....	Suspected of damaging fertility or the unborn child.
STOT-SE.....	Central nervous system.
STOT-RE.....	Not classified.
Aspiration Hazard.....	Does not meet the criteria for this classification.

PRODUCT: PF 688C CLEARCOAT 4:1 2.1 VOC**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity.....	Do not allow product to enter drains, sewers, bodies of water or soil.
Bioaccumulative potential.....	Not available as a product.
Mobility in soil.....	Not available as a product.
Persistence and degradability.....	Not available as a product.

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. Empty containers must be handled with care due to product residue.

SECTION 14: TRANSPORT INFORMATION

TDG Classification.....	UN1263 - PAINT - Class 3 - Packing Group II - This product meets limited quantity exemption when shipped in containers less than 5 litres.
DOT Classification (Road).....	UN1263 - PAINT - Class 3 - Packing Group II - Ltd Qty (5 Liter). Refer to 49CRF 172.101 for additional non-bulk packaging requirements.
IATA Classification (Air).....	UN1263 - PAINT - Class 3 - Packing Group II. Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1263 - PAINT - Class 3 - Packing Group II - 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 Domestic Substances List (DSL).
National Pollutant Release Inventory (NPRI) Environmental Emergency Regulations....	Some components of this product are on the Environmental Emergency Regulations and may require additional reporting. Bis (1,2,2,6,6- Pentamethyl-4- Piperidyl) Sebacate (CAS # 41556-26-7) Part 1.
Categorization of the DSL.....	Some components met the criteria under subsection 73(1) of CEPA during categorization of the DSL. Please check to see if this affects your company. (CAS # 67-64-1). (CAS # 41556-26-7).
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 substances	None.
Section 311/312 - hazard categories.....	Immediate health, delayed health, fire hazard.
Section 313.....	None.
EPA hazardous air pollutants (HAPS) 40CFR63	None.
California Proposition 65.....	*WARNING: This product contains a chemical known to the State of California to cause cancer. (4-Chlorobenzotrifluoride). For more information, go to www.P65Warnings.ca.gov .

SECTION 16: OTHER INFORMATION

Prepared by:	REGULATORY AFFAIRS.
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 ..	2024-10-08



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

PRODUCT: PF 689C MEDIUM ACTIVATOR FOR PF 688C

SECTION 01: IDENTIFICATION

Product identifier..... PF 689C MEDIUM ACTIVATOR FOR PF 688C
 Other means of identification
 Chemical family..... Mixture.
 Recommended use and restrictions on .. Paints. Accelerator and activator.
 use
 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: 1.
 HMIS..... H: 2 F:4 R: 1.

SECTION 02: HAZARD IDENTIFICATION



Hazard Classification..... Flammable Liquid 2. Sensitization - Skin — Category 1. Sensitization - Respiratory — Category 1. Eye Damage/Irritation — Category 2A. Acute Toxicity (Inhalation) — Category 3. Specific Target Organ Toxicity — Single Exposure — Category 3. (Respiratory system). (Narcotic Effects). (CNS).
 Signal Word..... DANGER.
 Hazard Description..... H225 Highly flammable liquid and vapour. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H331 Toxic if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties 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. P284 In case of inadequate ventilation wear respiratory protection.
 Response P302 + P352 - If on skin: wash with plenty of water. 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. P311 Call a POISON CENTRE or doctor. P312 Call a POISON CENTER/doctor if you feel unwell. P321 - For specific treatment see section 4 on this SDS. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P337 + P313 - If eye irritation persists get medical attention. P342 + P311 If experiencing respiratory symptoms; call poison center or doctor. P362 + P364 - Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish.
 Storage..... P403+P433+P435 Store in a well ventilated area. Keep container tightly closed. Keep cool. P405 Store locked up.
 Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.
 Other hazards..... None known.
 Note This product mixture has been classified based on its ingredients.

PRODUCT: PF 689C MEDIUM ACTIVATOR FOR PF 688C**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Homopolymer of HDI	28182-81-2	30-60
tert-Butyl acetate	540-88-5	15-40
4-Chlorobenzotrifluoride	98-56-6	10-30
<<The actual concentration(s) withheld as a trade secret>>		

SECTION 04: FIRST-AID MEASURES

Skin contact.....	Immediately remove all contaminated clothing; flush skin with water for at least 15 minutes. Wash clothing before reuse. If irritation persists, seek 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.
Inhalation.....	Move to fresh air. Make victim comfortable for breathing. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the product. Obtain immediate medical attention.
Ingestion.....	Do not induce vomiting. Rinse mouth 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. Get medical attention if symptoms occur.
Most important symptoms and effects, whether acute or delayed	Harmful if swallowed, in contact with skin or if inhaled. Can cause central nervous system depression. Can cause skin sensitization. Can cause respiratory sensitization. Symptoms may include allergic skin reaction, dermatitis or rash.
Additional information.....	In all cases, if irritation persists seek medical attention. 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 extinguishing media.....	"Alcohol" foam, CO ₂ , dry chemical.
Unsuitable extinguishing media.....	Do not use solid water streams or water jet.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for fire-fighters	Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Solvent vapours may be heavier than air and may build up and travel along the ground to an ignition source, which may result in a flash back to the source of the vapours. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. Do not allow run-off into drains, surface waters or ground waters.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Environmental precautions.....	Do not allow product to leak into drains or waterways. If spill does contaminate waterways then inform authorities.
Personal precautions, protective equipment and emergency procedures	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. Beware of vapours accumulating to form explosive concentrations. Vapors can form explosive mixture in air.
Methods and materials for containment and cleaning up	Wear proper personal protection equipment. Contain spilled material and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations. Treat original container as hazardous due to any residual product still in container.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling.....	Ensure that equipment is properly bonded and grounded during filling and transferring as product may become electrostatically charged. Use adequate ventilation. Do not breathe vapours, mist or dust. Wear respiratory protection if material is heated, sprayed, used in confined space, or if exposure limit is exceeded. Individuals with lung or breathing problems or prior allergic reactions to isocyanates must not be exposed vapour or spray
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PRODUCT: PF 689C MEDIUM ACTIVATOR FOR PF 688C**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling.....	mist. Avoid skin and eye contact. Avoid formation of aerosol. Do not spray on a naked flame or any incandescent material. Employees should wash hands and face before eating or drinking. Smoking, eating and drinking should be prohibited in the application area. Wash thoroughly after handling.
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks, and open flames. Exposure to vapours of heated isocyanates can be extremely dangerous. Store in tightly closed containers to prevent moisture contamination. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide adequate ventilation to protect from these hazards and to keep below maximum exposure values. Electrical installations / working materials must comply with the technological safety standards. Incompatible materials include, but not limited to: Strong reducing agents. Acids. Bases. Nitrates. Plastics.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Homopolymer of HDI	5 mg/m3 Supplier: 0.5 mg/m3 (TWA)	Not established	5 mg/m3	Not established	5 mg/m3	
tert-Butyl acetate	200 ppm CA ON AB BC: 50ppm (TWA), 200ppm (STEL)	Not established	200 ppm	Not established	200 ppm	
4-Chlorobenzotrifluoride	Not established	Not established	Not established	Not established	Not established	Not established
Appropriate engineering controls.....	Explosion-proof exhaust ventilation. Local exhaust should be used to maintain levels below the exposure limits.					
Personal Protective Equipment Gloves/ type.....	Impervious gloves. Consult your personal protective equipment supplier for additional recommendations.					
Eye/type.....	Chemical safety goggles and full faceshield if a splash hazard exists. Consult your personal protective equipment supplier for additional recommendations.					
Respiratory/type.....	Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits. Full Face Mask with organic vapor cartridge, Type A filter. Consult your personal protective equipment supplier for additional recommendations.					
Clothing/type.....	Wear impervious protective clothing. Consult your personal protective equipment supplier for additional recommendations.					
Footwear/type.....	Wear chemical resistant safety boots. Consult your personal protective equipment supplier for additional recommendations.					
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.					

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state.....	Liquid.
Colour.....	Not available.
Odour.....	Not available.
Odour threshold (ppm).....	Not available.
pH.....	Not applicable.
Melting / Freezing point (deg C).....	Not available.
Initial boiling point / boiling range (deg C).....	Not available.
Flash point (deg C), method.....	Not available.
Evaporation rate.....	Not available.
Flammability (solids and gases).....	Not applicable. Flammable liquid.
Upper flammable limit (% vol).....	Not available.
Lower flammable limit (% vol).....	Not available.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	Not available.
Relative Density (Specific Gravity).....	1.053.
Solubility.....	Not available.
Partition coefficient — n-octanol/water.....	Not available.
Auto ignition temperature (deg C).....	Not available.
Decomposition temperature.....	Not available.
Viscosity.....	Not available.
% Volume Volatile exempt.....	56.90.
Formula LBS/GAL.....	8.79.
% Weight Solids.....	47.50.
% Volume Solids.....	43.12.
% Weight Volatile (VOC).....	0.00.
% Volume Volatile (VOC).....	44.30.
Total MIR.....	0.08.

PRODUCT: PF 689C MEDIUM ACTIVATOR FOR PF 688C**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Coverage (sq ft/gal @ 1 mil).....	692.
Percent weight binder.....	47.5.
Percent volume binder.....	43.1.
Eq. WT. NCO.....	410.53.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Keep away from sparks or open flame.
Chemical stability.....	Stable at normal temperatures and pressures.
Possibility of hazardous reactions.....	Vapours may form explosive mixture with air.
Conditions to avoid, including static	Avoid heat, spark, open flames.
discharge, shock or vibration	
Hazardous decomposition products.....	Acetic acid. Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Homopolymer of HDI	390-453 mg/m ³ rat 4 hours	> 5,000 mg/kg (rat, oral); > 5,000 mg/kg (rabbit, dermal)
tert-Butyl acetate	>2,230 mg/m ³ 4 hours rat	4,100 mg/kg (rat, oral); >2,000 mg/kg (rabbit, dermal)
4-Chlorobenzotrifluoride	4479 ppm	>6,800 mg/kg (rat oral); >2,700 mg/kg (rabbit dermal)
Route of exposure.....	Eye contact. Skin contact. Inhalation. Ingestion.	
ATEmix:.....	ATEmix - TBAC 22 mg/L (inhalation) 4 hour vapour. ATEmix - 9756 mg/L (inhalation) vapour (diisocyanate).	
Serious eye damage/eye irritation.....	Causes serious eye irritation.	
Skin corrosion/irritation.....	Causes skin irritation. Solvents may decrease the skin.	
Carcinogenicity.....	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 component of this product present at levels greater than or equal to 0.1% .	
Mutagenicity.....	No component of this product present at levels greater than or equal to 0.1% .	
Respiratory Sensitization.....	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
Skin Sensitization.....	May cause an allergic skin reaction.	
STOT-SE.....	Central nervous system. Respiratory system.	
STOT-RE.....	Not classified.	
Aspiration Hazard.....	May be harmful if swallowed and enters airways.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	p-Chlorobenzotrifluoride - LC50 3 mg/L 96hr (Zebra fish). EC50 2 mg/L 48hr (Daphnia Magna). EC50 >0.41 mg/L 96hr (Green Algae).
Persistence and degradability.....	Product data not available.
Bioaccumulative potential.....	Product data not available.
Mobility in soil.....	Product data not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Information on safe handling for disposal and methods of disposal, including any contaminated packaging	This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Empty containers must be handled with care due to product residue.
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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 (5 L). Refer to 49CFR 172.101 for additional non-bulk packaging requirement.
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.....	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. .

PRODUCT: PF 689C MEDIUM ACTIVATOR FOR PF 688C**SECTION 15: REGULATORY INFORMATION**

CEPA status.....	On Domestic Substances List (DSL).
National Pollutant Release Inventory (NPRI)	None listed in this product.
Environmental Emergency Regulations....	None listed in this product.
Categorization of the DSL.....	None listed in this product.
New Substances Risk Assessment	(CAS # 540-88-5).
Summary	
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.....	None above De minimus % limit.
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.
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 .. data sheet	2024-05-04



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

PRODUCT: PBC 3004-4 ULTRA FINE SWIRL REMOVER

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 3004-4 ULTRA FINE SWIRL REMOVER

Recommended use and restrictions on .. Cleaner.
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 — Single Exposure — Category 3. (narcotic effects). (respiratory system).

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. 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. 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. P332 + P313 - If skin irritation occurs get medical attention or advice. P362 + P364 - Take off contaminated clothing and wash before reuse. 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. %
Distillates (Petroleum) Hydrotreated Light	64742-47-8	20-30
Light Aliphatic Solvent Naphtha	64742-89-8	7-13
Tetrasodium EDTA	64-02-8	1-5

PRODUCT: PBC 3004-4 ULTRA FINE SWIRL REMOVER**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. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. This product could cause chemical pneumonitis through aspiration of the product into the lungs following accidental ingestion. 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 and eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. High vapour concentrations may be irritating to the respiratory tract.
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	"Alcohol" foam, CO ₂ , dry chemical. In cases of larger fires, water spray should be used. Do not use water in a jet.
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. Keep run-off water from entering sewers and other waterways. Dike for water control. 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.
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.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Oxides of carbon (CO, CO ₂). Hydrocarbon fumes and smoke.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak/spill.....	Ventilate. Eliminate all sources of ignition. Contain the spill. Prevent runoff into drains, sewers, and other waterways. Avoid all personal contact. Evacuate all non-essential personnel. 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.
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SECTION 07: HANDLING AND STORAGE

Precautions for safe handling.....	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.
Conditions for safe storage, including any incompatibilities	Keep container closed when not in use. Store away from all sources of heat and ignition. 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
Distillates (Petroleum) Hydrotreated Light	1200 mg/m ³	197 ppm	Not established	Not established	Not established	Not established
	CA BC: 200mg/m ³ (TWA) Skin					
Light Aliphatic Solvent Naphtha	Not established	Not established	Not established	Not established	Not established	Not established
Tetrasodium EDTA	Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

PRODUCT: PBC 3004-4 ULTRA FINE SWIRL REMOVER**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

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.....	Pale yellow.
Odour.....	Mild odour.
Odour threshold (ppm).....	Not available.
Vapour pressure (mm Hg).....	No data.
Vapour density (air=1).....	>1.
pH.....	6.0 - 8.0.
Relative Density (Specific Gravity).....	7.85 lbs/USG; 0.940.
Melting / Freezing point (deg C).....	~ 0°C.
Solubility.....	No data.
Initial boiling point / boiling range (deg C).....	~ 100°C .
Evaporation rate.....	No data.
Flash point (deg C), method.....	53. (Closed Cup).
Auto ignition temperature (deg C).....	>230°C.
Upper flammable limit (% vol).....	12.0.
Lower flammable limit (% vol).....	0.5.
Partition coefficient — n-octanol/water.....	No data.
VOC (less water).....	2.01 lb/USG; 240.9 g/L.
Viscosity.....	Spindle #4 1975cps.

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.
Possibility of hazardous reactions.....	Hazardous polymerization will not occur.
Conditions to avoid, including static discharge, shock or vibration	Keep away from heat. Incompatible with strong oxidizers.
Hazardous decomposition products.....	Oxides of carbon (CO,CO2). Dense black smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Distillates (Petroleum) Hydrotreated Light	>5.2 mg/L (4 hr.)	>5000 mg/kg (oral, rat), >2000 mg/kg (dermal, rabbit)
Light Aliphatic Solvent Naphtha	3400 ppm 4hr rat	3000 mg/kg dermal rat
Tetrasodium EDTA	Not Available	Not Available
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
Effects of acute exposure.....	Hazardous in contact with skin, by ingestion, and by inhalation. Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage. Skin contact with adhesive that is not fully cured may cause an allergic skin reaction or other skin irritation. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use. Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing	

PRODUCT: PBC 3004-4 ULTRA FINE SWIRL REMOVER**SECTION 11: TOXICOLOGICAL INFORMATION**

Effects of acute exposure.....	this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury. Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.). Prolonged or repeated breathing of dust may result in progressive and permanent lung disease (fibrosis) which may cause death from respiratory and/or heart failure. Symptoms include coughing and difficult breathing which becomes worse with physical activity. Another form of fibrosis, acute silicosis, can occur with exposures to very high concentrations of respirable silica over shorter periods of time, sometimes as short as a few months. Symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss. Acute silicosis is fatal. Breathing of glass fibers can cause short-term irritation of the mouth, nose, and throat. Other symptoms may include coughing and wheezing. Because of the structure of the fibers, they do not enter the lungs (See Other Health Effects). Can cause moderate skin irritation, defatting and dermatitis. Inhalation may cause respiratory tract irritation. Inhalation of high vapour may cause central nervous system effects, dizziness, headache, nausea, or loss of coordination. Aspiration of liquid into lungs can cause chemical pneumonitis.
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. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.
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 component of this product present at levels greater than or equal to 0.1% .
Specific Target Organ Toxicity	May cause drowsiness or dizziness. May cause respiratory irritation.

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.
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SECTION 14: TRANSPORT INFORMATION

TDG Classification.....	UN1993 - FLAMMABLE LIQUIDS, N.O.S. (Petroleum distillates) - Class 3 - PGIII - Regulated in bulk only. This product is a flammable liquid, Class 3, Packing Group III material with a flash point >37.8C and is exempt from the application of these regulations in non-bulk (< 450L) packaging as per TDG 1.33.
DOT Classification (Road).....	49CFR173.150 provides an exception to the requirements of subsection 172.101 flammable liquids in Packing Group III and combustible liquids, inner packagings not over 5.0 L (1.3 gallons) net capacity each, packed in a strong outer packaging. Otherwise this product is classified as: UN1993 - FLAMMABLE LIQUID, N.O.S. (Petroleum distillates) - Class 3 - PGIII - Ltd Qty (5 Liters/1.3 Gallons). Refer to 49CFR 172.101 for additional non-bulk packaging requirements.
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. (Petroleum distillates) - Class 3 - PGIII - 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 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.....	None above De minimus % limit.
EPA hazardous air pollutants (HAPS) 40CFR63	Benzene. Dichloroprene. Ethylbenzene. Methanol. Methylene Chloride (Dichloromethane). Xylene.

PRODUCT: PBC 3004-4 ULTRA FINE SWIRL REMOVER

SECTION 15: REGULATORY INFORMATION

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. (Benzene (D)). (Methanol). (Ethylene oxide [dev]) . *** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer . (Benzene). (Cumene). (Dioxane). (Ethyl acrylate). (Ethyl benzene). (Ethylene oxide). (Dichloroprene). (Methylene chloride). (Naphthalene). 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 .. 2018-07-25
 data sheet