



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

**PRODUCT: PBC 1401-1 BLUE POWERR ALL PURPOSE CLEANER**

### 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 1401-1 BLUE POWERR ALL PURPOSE CLEANER

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 4. Skin Corrosion — Category 1. Carcinogenicity — Category 1.

Hazard Description..... H227 Combustible liquid. H314 Causes severe skin burns and eye damage. H350 This product contains ingredients that may cause cancer.

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. P260 Do not breathe the mist, vapours, or spray. P264 Wash thoroughly after handling. 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 . P363 - Wash contaminated clothing 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. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P301 + P330 + P331 If Swallowed: Rinse mouth. Do NOT induce vomiting. P310 - Immediately call your local poison control centre. P308 + P313 If exposed or concerned, get medical advice/attention.

Storage..... P403 Store in a well ventilated area. P405 Store locked up.

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

### SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Sodium metasilicate	6834-92-0	1-5
Propoxy propanol	1569-01-3	1-5
Dipropylene Glycol Monomethyl Ether	34590-94-8	1-5
Propylene glycol monobutyl ether	5131-66-8	1-5
Benzenesulfonic acid, C10-16 alkyl derivatives	68584-22-5	1-5
Monoethanolamine	141-43-5	0.1-1
Sodium hydroxide	1310-73-2	0.1-1

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

**PRODUCT: PBC 1401-1 BLUE POWERR ALL PURPOSE CLEANER****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.....	Immediately remove all contaminated clothing; flush skin with water for at least 15 minutes. If irritation persists, seek medical attention.
Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.
Ingestion.....	If swallowed, drink plenty of water. Wash out mouth repeatedly. 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	Causes severe skin burns and eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. 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**

Suitable and unsuitable extinguishing ..... media	"Alcohol" foam, CO <sub>2</sub> , dry chemical. Do not use water in a 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.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Leak/spill.....	Keep away from heat, sparks and flames. 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. 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. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid breathing vapours or mist. 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. 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.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Sodium metasilicate	Not Established	Not Established	Not Established	Not Established	Not Established	Not Established
Propoxy propanol	Not established		Not established			Not established
Dipropylene Glycol Monomethyl Ether	100 ppm	150 ppm	No data	150 ppm		STEL: 900 mg/m <sup>3</sup>
	CA ON: 100 ppm (TWAEV), 150 ppm (STEV)					
Propylene glycol monobutyl ether	Not Established	Not Established	Not Established	Not Established		Not Established
Benzenesulfonic acid, C10-16 alkyl derivatives	Not Established	Not Established	Not Established	Not Established		Not Established
Monoethanolamine	3 ppm	6 ppm	Not Established	Not Established		Not Established
Sodium hydroxide	2 mg/m <sup>3</sup>	Not Established	2 mg/m <sup>3</sup>	Not Established		Not Established

**PRODUCT: PBC 1401-1 BLUE POWERR ALL PURPOSE CLEANER****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.
Gloves/ type.....	Chemical resistant gloves.
Clothing/type.....	Wear adequate protective clothes.
Footwear/type.....	Safety boots per local regulations.
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.
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.....	Clear, colourless.
Odour.....	Odourless.
Odour threshold (ppm).....	Not available.
Relative Density (Specific Gravity).....	8.29 lbs/USG; 0.993.
Vapour pressure (mm Hg).....	No data.
Vapour density (air=1).....	>1.
pH.....	No Data.
Melting / Freezing point (deg C).....	~ 0°C.
Solubility.....	Complete.
Initial boiling point / boiling range (deg C).....	~ 100°C .
Evaporation rate.....	Not available.
Flash point (deg C), method.....	68. (Closed Cup).
Auto ignition temperature (deg C).....	Not available.
Upper flammable limit (% vol).....	23.5.
Lower flammable limit (% vol).....	1.1.
Partition coefficient — n-octanol/water.....	Not available.
VOC (less water).....	0 lb/usg - 0 g/mL.
Viscosity.....	Spindle #4 600cps @ 100 rpm.

**SECTION 10: STABILITY AND REACTIVITY**

Chemical stability.....	Stable at normal temperatures and pressures.
Reactivity .....	Avoid heat, sparks and flames.
Possibility of hazardous reactions.....	Will not occur under normal temperature and pressure.
Conditions to avoid, including static discharge, shock or vibration .....	Keep away from heat. Incompatible with strong oxidizers.
Hazardous decomposition products.....	None known.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Sodium metasilicate	Not Available	1153 mg/kg Rat, Oral 770 mg/kg Mouse, Oral
Propoxy propanol	>2,230 ppm 6 HOURS RAT	2,519 mg/kg RAT ORAL; 3,818 mg/kg RABBIT DERMAL
Dipropylene Glycol Monomethyl Ether	>500 ppm 7 hours Rat	5,180 mg/kg Rat Oral; 9,500 mg/kg Rabbit Dermal
Propylene glycol monobutyl ether	>651 ppm 4 Hr Rat	2,700 mg/kg Rat Oral >2,000 mg/kg Rat Skin
Benzenesulfonic acid, C10-16 alkyl derivatives	Not Available	Not Available
Monoethanolamine	232 ppm Guinea Pig	1720 mg/kg Rat Oral 1018 mg/kg Rabbit Dermal
Sodium hydroxide	No Data	104-340 mg/kg oral rat 1350 mg/kg dermal rabbit
Route of exposure.....	Skin contact. Eye contact. Inhalation.	

**PRODUCT: PBC 1401-1 BLUE POWERR ALL PURPOSE CLEANER****SECTION 11: TOXICOLOGICAL INFORMATION**

Effects of acute exposure.....	Causes serious eye irritation. Contact with skin can cause severe irritation. Breathing this material may be harmful. Excessive vapours may cause nasal and respiratory tract irritation.
Effects of chronic exposure.....	Irritation of eyes, nose and throat.
Carcinogenicity of material.....	IARC has classified 'Acid mists, strong inorganic' as a Group 1 Carcinogen. . Alkyl(C10-16)benzenesulfonic Acid has been classified as a potential carcinogen by CSST.
Reproductive effects.....	None known.

**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	Empty containers must be handled with care due to product residue. Dispose of as an industrial waste in a manner acceptable to good waste management practice and in accordance with applicable local, provincial/State or federal regulations.
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**SECTION 14: TRANSPORT INFORMATION**

TDG Classification.....	Not regulated.
DOT Classification (Road).....	Not regulated.
IATA Classification (Air).....	Not regulated.
IMDG Classification (Marine).....	Not regulated.
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.....	Not determined.
TSCA inventory status.....	Not determined.
OSHA.....	This product is considered hazardous under the OSHA Hazard Communication Standard.
SARA Title III Section 302 - extremely hazardous substances	Sulphuric acid.
Section 311/312 - hazard categories.....	Immediate health. Fire hazard.
Section 313.....	None.
EPA hazardous air pollutants (HAPS) 40CFR63	None.
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 . (Strong inorganic acid mists containing sulfuric acid). For more information, go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .

**SECTION 16: OTHER INFORMATION**

Prepared by: .....	REGULATORY AFFAIRS. Trivalent Data Systems Ltd. <a href="http://www.trivalent.com">www.trivalent.com</a> .
Telephone number:.....	(800) 387-7981.
Disclaimer:.....	DISCLAIMER: All information appearing herein is based upon data obtained from experience and recognized technical sources. To the best of our knowledge, it is believed to be correct as of the date of issue but we make no representations as to its accuracy or sufficiency and do not suggest or guarantee that any hazards listed herein are the only ones which exist. The hazard information contained herein is offered solely for the consideration of the user, subject to his own investigation and verification of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. The information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.
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