



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

PRODUCT: PB 5103 SPOT LIFT 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..... PB 5103 SPOT LIFT REMOVER

Recommended use and restrictions on .. Cleaner.
use

Chemical family..... Mixture.

NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.

HMIS..... H: 2 F: 4 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 Aerosols — Category 1. Gases Under Pressure: Liquefied Gas. Reproductive Toxicity — Category 1.

Hazard Description..... H222 Extremely flammable aerosol. H229 Pressurized container: may burst if heated. H280 Contains gas under pressure; may explode if heated. 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. P211 Do not spray on an open flame or other ignition sources. P251 Do not pierce or burn container, even after use. P280 Wear protective gloves and eye protection.

Response P308 + P313 If exposed or concerned, get medical advice/attention.

Storage..... P403 Store in a well ventilated area. P405 Store locked up. P410 Protect from sunlight. P412 Do not expose to temperature exceeding 50°C / 122°F.

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. %
Isobutane	75-28-5	3-7
Propane	74-98-6	1-5
Propoxy propanol	1569-01-3	1-5
Ethanol	64-17-5	0.1-1
Methanol	67-56-1	0.1-1

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

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. Wash clothing before reuse. If irritation persists, seek medical attention.

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SECTION 04: FIRST-AID MEASURES

Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.

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, May cause eye irritation. Symptoms may include stinging, tearing, redness, swelling, and whether acute or delayed blurred vision. This product contains ingredients that are suspected of damaging fertility or the unborn child. High vapour concentrations may be irritating to the respiratory tract.

Additional information..... Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. 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 "Alcohol" foam, CO2, dry chemical. In cases of larger fires, water spray should be used. media Do not use water in a jet.

Specific hazards arising from the Extremely flammable aerosol. Aerosol can will explode if heated. Thermal decomposition hazardous product, such as the nature of products are toxic. May include: Oxides of carbon (CO, CO2). Hydrocarbon fumes and any hazardous combustion products smoke.

Special protective equipment and Extremely flammable aerosol. Fire in vicinity poses risk of pressure build-up rupture. In fire precautions for fire-fighters fire situations involving the surrounding area, cool the product down with plenty of water. In case of exothermic decomposition, as indicated by generation of large volumes of smoke, spray immediately and thoroughly with water or pour water on. Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Keep run-off water from entering sewers and other waterways. Dike for water control.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective No action shall be taken involving any personal risk or without suitable training. Isolate area equipment and emergency procedures 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. Equipment should be grounded.

Methods and materials for containment and cleaning up

Leak/spill..... Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. Evacuate all non-essential personnel. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. Shovel or pump to drum or salvage tank. 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..... Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. 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 sunlight. Do not store above 50 deg C.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	
Isobutane	Not established	Not established	Not established	Not established	800 ppm
Propane	1,000 ppm	Not established	1,000 ppm	Not established	1,000 ppm
Propoxy propanol	Not established		Not established		Not established

PRODUCT: PB 5103 SPOT LIFT REMOVER**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	ACGIH TLV		PEL	OSHA PEL		REL	NIOSH
	TWA	STEL		STEL	STEL		
Ethanol	1000 ppm ONT: 1000 ppm (STEL)	1000 ppm	1000 ppm	Not established	Not established	1000 ppm	
Methanol	200 ppm	250 ppm skin	200 ppm	Not established	Not established	200 ppm / STEL 250 ppm	
	CA ON: 200 ppm (TWA), 250 ppm (STEL)						
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.						
Personal Protective Equipment							
Eye/type.....	Chemical safety goggles. Chemical safety goggles and full faceshield if 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. Insulated gloves. (for aerosols). Contact glove supplier for recommendations.						
Clothing/type.....	Wear adequate protective clothes.						
Footwear/type.....	Safety boots per local regulations.						
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.						
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.....	Aerosol.
Colour.....	No data.
Odour.....	Characteristic odour.
Odour threshold (ppm).....	Not available.
pH.....	Not applicable.
Melting / Freezing point (deg C).....	Similar to water.
Initial boiling point / boiling range (deg C).....	Similar to water.
Flash point (deg C), method.....	60°C (140°F). (estimate for liquid).
Evaporation rate.....	No data.
Flammability (solids and gases).....	Flammable aerosol.
Upper flammable limit (% vol).....	Isobutane: 8.8.
Lower flammable limit (% vol).....	Isobutane: 1.8.
Vapour pressure (psig).....	Not available.
Vapour density (air=1).....	No data.
Relative Density (Specific Gravity).....	0.930-0.970.
Pounds / USG.....	7.76 - 8.09.
Solubility.....	Soluble.
Partition coefficient — n-octanol/water.....	Not available.
Auto ignition temperature (deg C).....	460 °C (propellant) .
Decomposition temperature.....	Not available.
Viscosity.....	No data.
% Volatile by volume.....	Not available.
VOC (less water).....	2.00 lbs/USG; 0.240 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	Keep away from heat. Electrostatic charge.
discharge, shock or vibration	
Incompatible materials.....	Strong oxidizing agents.
Hazardous decomposition products.....	No hazardous decomposition products when stored and handled correctly. See hazardous combustion products section 5.

PRODUCT: PB 5103 SPOT LIFT REMOVER**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Isobutane	52 mg/L 1 hour mouse	Not available
Propane	>1,464 mg/L 15 minutes rat	Not available
Propoxy propanol	>2,230 ppm 6 HOURS RAT	2,519 mg/kg RAT ORAL; 3,818 mg/kg RABBIT DERMAL
Ethanol	124.7 mg/L 4 hr., rat	7060 mg/kg (oral, rat)
Methanol	128.2 mg/L, 4h rat	420 mg/kg (oral); 5,628 mg/kg (rat oral); 15,800 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.....	Can be irritating to eyes and skin. Ingestion may cause adverse health effects. Inhalation may cause respiratory tract irritation.	
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.	
Mutagenicity.....	The data does not allow for an adequate assessment of the mutagenic effect.	
Reproductive effects.....	Methanol is teratogenic and embryotoxic in animals.	
Sensitizing capability of material.....	None known.	
Specific Target Organ Toxicity	No known adverse effects.	

SECTION 12: ECOLOGICAL INFORMATION

Environmental..... No product data. Do not allow to enter waters, waste water or soil.

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. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.

SECTION 14: TRANSPORT INFORMATION

TDG Classification..... UN1950 - AEROSOLS, flammable - Class 2.1 - This product meets limited quantity exemption when shipped in containers less than 1 Litre.

DOT Classification (Road)..... UN1950 - AEROSOLS, flammable - Class 2.1 - Ltd Qty (1 Liter/0.26 Gallons).

IATA Classification (Air)..... UN1950 - AEROSOLS, flammable - Class 2.1 - Limited Quantity. Do not ship by air without checking appropriate IATA regulations.

IMDG Classification (Marine)..... UN1950 - AEROSOLS - Class 2.1 - EmS: F-D, S-U - 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 None.

substances
Section 311/312 - hazard categories..... Delayed Health. Fire hazard.

Section 313..... Glycol ethers.

EPA hazardous air pollutants (HAPS) Glycol ethers. Methanol.

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 birth defects or other reproductive harm. (Methanol). *** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer . (Formaldehyde - dissolved). For more information, go to www.P65Warnings.ca.gov.

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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.

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 data sheet