



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

PRODUCT: PF 509 RUST PENETRANT

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..... PF 509 RUST PENETRANT

Recommended use and restrictions on .. Penetrating lubricant. No restrictions on use known.
use

Chemical family..... Aerosol.

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

HMIS..... H: 0 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..... WARNING.

Hazard Classification..... Flammable Aerosols — Category 2. Gas under pressure: Compressed Gas.

Hazard Description..... H223 Flammable aerosol . H229 Pressurized container: may burst if heated. H280
Contains gas under pressure; may explode if heated.

Prevention..... 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.

Response 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.

Storage..... P403 Store in a well ventilated area. 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. %
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	65-85
Propane	74-98-6	10-30
Isobutane	75-28-5	5-10

<<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. Check for and remove any contact lenses, if safe and easy to do so.
Obtain medical attention.

Skin contact..... Remove contaminated clothing and launder before reuse. Rinse skin for 15-20 minutes.
Obtain medical attention immediately.

Inhalation..... Move to fresh air. If not breathing, give artificial respiration. Get medical help immediately.

Ingestion..... If ingestion is suspected, contact physician or poison control center immediately. Rinse
mouth. 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.

PRODUCT: PF 509 RUST PENETRANT**SECTION 04: FIRST-AID MEASURES**

Most important symptoms and effects, Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct eye contact may cause temporary eye irritation. Vapors have a narcotic effect and may cause whether acute or delayed headache, fatigue, dizziness and nausea. May cause redness and pain.

Immediate medical attention and special . Provide supportive measures and treat symptomatically. In case of shortness of breath treatment needed, if necessary give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable extinguishing media..... Dry chemical. CO2. Foam. Water fog. Water spray.

Unsuitable extinguishing media..... Do not use solid water streams or water jet.

Specific hazards arising from the In case of fire, Carbon Oxides (CO, CO2) and other unidentified Organic Compounds may hazardous product, such as the nature of be released. Contents under pressure. Pressurized container may explode when exposed any hazardous combustion products to heat or flame. . Flammable aerosol.

Special protective equipment and Firefighter should be equipped with self-contained breathing apparatus and full protective precautions for fire-fighters clothing to protect against potentially toxic and irritating fumes. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. .

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment Evacuate personnel to a safe area. Do not touch spilled material. Avoid breathing vapours. and emergency procedures Keep unnecessary and unprotected personnel from entering spill area and upwind from spill area. Ensure adequate ventilation. Area will be slippery. 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 . Contain spilled material and then collect with non-combustible absorbent material, (e.g. and cleaning up sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

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. Keep away from heat, sparks, and open flame. Avoid breathing vapours or mist. Avoid contact with eyes. Handle and open container with care. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. . Use adequate ventilation.

Conditions for safe storage, including any incompatibilities Pressurized container. Store away from sunlight. Do not store above 50 deg C. Store in a cool area, away from incompatible materials. Store in a well ventilated area. Keep away from heat, sparks, and open flames. Store away from all sources of heat and ignition. Store away from incompatible materials.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Distillates (petroleum), hydrotreated heavy naphthenic	No data	No data	No data	No data	No data	No data
	No data					
Propane	1,000 ppm	Not established	1,000 ppm	Not established	1,000 ppm	1,000 ppm
Isobutane	Not established	Not established	Not established	Not established	800 ppm	800 ppm
Personal Protective Equipment						
Respiratory/type.....						Wear a dust or mist respirator. Consult your personal protective equipment supplier for additional recommendations.
Eye/type.....						Chemical splash goggles. Consult your personal protective equipment supplier for additional recommendations.
Gloves/ type.....						Chemical resistant gloves. Consult your personal protective equipment supplier for additional recommendations.
Clothing/type.....						Wear chemical resistant clothing. Consult your personal protective equipment supplier for additional recommendations.

PRODUCT: PF 509 RUST PENETRANT**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Footwear/type.....	Safety boots per local regulations. 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. Good safety practices.
Appropriate engineering controls.....	Local exhaust should be used to maintain levels below the exposure limits. Ground all equipment and cylinders before use. .

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state.....	Aerosol. Spray, mist.
Colour.....	Not available.
Odour.....	Hydrocarbon.
Odour threshold (ppm).....	Not available.
pH.....	Not applicable.
Initial boiling point / boiling range (deg C).....	Not available.
Melting / Freezing point (deg C).....	Not available.
Vapour pressure (mm Hg).....	Not applicable.
Vapour density (air=1).....	Not available.
Specific Gravity (Liquid).....	0.860-0.890.
Specific Gravity (Aerosol).....	0.740-0.760.
Evaporation rate.....	Not available.
VOC Content.....	NMT 25.
Solubility.....	Negligible.
Aerosol flame projection.....	>15 cm and <100 cm.
Flashback.....	Yes.
Auto ignition temperature (deg C).....	460°C (860°F). (Propellant).
Flash point (deg C), method.....	-82.8 Closed cup . (Propellant).
Lower flammable limit (% vol).....	1.8. (Propellant).
Upper flammable limit (% vol).....	8.8. (Propellant).
NOTE.....	NMT = Not More Than.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions of use.
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	Keep away from heat. Flame. Electrostatic charge. Incompatible with strong oxidizers.
Hazardous decomposition products.....	Carbon Oxides (CO, CO ₂), Other unidentified Organic Compounds. .

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/L 4 hours rat	>5000 mg/kg oral rat >5000 mg/kg dermal rabbit
Propane	>1,464 mg/L 15 minutes rat	Not available
Isobutane	52 mg/L 1 hour mouse	Not available
Route of exposure.....	Inhalation. Skin contact. Eye contact.	
Symptoms related to the physical, chemical and toxicological characteristics	Irritation effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Defatting of the skin.	
Skin corrosion/irritation.....	Based on available data, the classification criteria are not met. .	
Serious eye damage/eye irritation.....	Not classified.	
Respiratory or Skin Sensitization.....	Not classified.	
Carcinogenicity.....	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.	
Mutagenicity.....	No component of this product present at levels greater than or equal to 0.1% .	
Reproductive effects.....	No data on reproductive effects were found in the literature sources consulted.	
STOT-SE.....	Not classified.	
STOT-RE.....	Not classified.	
Aspiration Hazard.....	Not classified.	
Chronic toxicity.....	No long term are known or expected.	

PRODUCT: PF 509 RUST PENETRANT**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity.....	No available data on the product itself. This product should not be released to the environment. May be dangerous for the environment. .
Mobility in soil.....	Product has not been tested.
Bioaccumulative potential.....	Product has not been tested.
Persistence and degradability.....	Product has not been tested.

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.....	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, Class 2.1, Ltd. Qty., Consumer Commodity ORM-D. .
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, Ltd. Qty. Check IMDG regulations for limited quantity exemptions.
Marine Pollutant.....	Not determined.
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 known.
Section 311/312 - hazard categories.....	Immediate health, delayed health, fire hazard.
Section 313.....	None.
EPA hazardous air pollutants (HAPS) 40CFR63	None.
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	2023-12-01