



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

PRODUCT: PF 508 BATTERY TERMINAL SEALER

SECTION 01: IDENTIFICATION

Product identifier..... PF 508 BATTERY TERMINAL SEALER
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 **.
Recommended use and restrictions on .. Sealer. Lubricant. This product should not be used for any other purpose other than the
use ones described in this section.
Chemical family..... Mixture. Greases.
Hazard rating
NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.
HMIS..... H: 2 F: 4 R: 0.

SECTION 02: HAZARD IDENTIFICATION



Signal Word..... DANGER.
Hazard Classification..... Flammable Liquid 2. Flammable Aerosol 1. Gas under pressure: Compressed Gas. Skin
Irritation — Category 2. Specific Target Organ Toxicity — Single Exposure — Category 3.
Specific Target Organ Toxicity — Repeated Exposure — Category 2.
Hazard Description..... H225 Highly flammable liquid and vapour. H222 Extremely flammable aerosol. H280
Contains gas under pressure; may explode if heated. H315 Causes skin irritation. H336
May cause drowsiness or dizziness. H373 May cause damage to the liver and kidneys
through prolonged or repeated contact.
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. 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. P251 Do not pierce or burn container, even after use. P261 Avoid
breathing mists, vapours and sprays. P264 Wash hands thoroughly after handling. 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. P312 Call a POISON CENTER/doctor if you feel unwell. P314 - Get medical
advice/attention 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. 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 + P233 Store in a well ventilated area. Keep container tightly closed. P403 + P235
Store in well ventilated area. Keep cool. 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.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Hexane	110-54-3	40-70
MINERAL OIL	PROPRIETARY	10-30
Propane	74-98-6	10-30

PRODUCT: PF 508 BATTERY TERMINAL SEALER**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

Isobutane

75-28-5

7-13

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.....	Do not induce vomiting. 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. Never give anything by mouth to an unconscious person.
Additional information.....	Treat victims symptomatically. The main hazard from ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable and unsuitable extinguishing media	"Alcohol" foam, CO ₂ , dry chemical. In cases of larger fires, water spray should be used.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Oxides of carbon (CO, CO ₂).
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.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak/spill.....	Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. 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. Evacuate all non-essential personnel. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. Shovel into suitable unsealed containers, transport to well-ventilated area (outside) and treat with neutralizing solution: mixture of water (80%) with non-ionic surfactant Tergitol TMN-10 (20%); or water (90%), concentrated ammonia (3-8%) and detergent (2%).
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SECTION 07: HANDLING AND STORAGE

Precautions for safe handling.....	Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Avoid breathing vapours or mist. Ground handling equipment. Handle and open container with care. Employees should wash hands and face before eating or drinking. Keep away from heat, sparks, and open flame.
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks, and open flames. Keep container closed when not in use. Store away from oxidizing and reducing materials. Store away from sunlight.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Hexane	50 ppm	Not Established	500 ppm	Not Established	50 ppm	
MINERAL OIL	10000 ppm	Not Available	5000 ppm	Not Available	Not Available	
	5 mg/m ³					
Propane	1,000 ppm	Not established	1,000 ppm	Not established	1,000 ppm	
Isobutane	Not established	Not established	Not established	Not established	800 ppm	
Personal Protective Equipment Eye/type.....	Liquid chemical goggles.					

PRODUCT: PF 508 BATTERY TERMINAL SEALER**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.
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.
Appropriate engineering controls.....	Local exhaust at points of emission.
Exposure limits	

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state.....	Aerosol.
Colour.....	Red.
Odour.....	Hydrocarbon odour.
Odour threshold (ppm).....	Not available.
Vapour density (air=1).....	>1.
Vapour pressure (psig).....	55-65 psig @ 20°C.
pH.....	Not applicable.
Relative Density (Specific Gravity).....	0.72 lb/usg (0.09 g/mL) liquid - 0.60 to 0.65 (0.07 to 0.08 g/mL) aerosol.
Melting / Freezing point (deg C).....	Not available.
Solubility.....	Negligible.
Initial boiling point / boiling range (deg C).....	> 100° C.
Evaporation rate.....	Greater than n-butyl acetate.
Flash point (deg C), method.....	Aerosol flame projection > 45 cm. -104°C Closed Cup.
Auto ignition temperature (deg C).....	234°C.
Upper flammable limit (% vol).....	9.5.
Lower flammable limit (% vol).....	1.2.
Partition coefficient — n-octanol/water.....	Not available.
% Volatile by volume.....	> 90.
VOC (less water).....	4.5 lb/usg - 537 g/L.
Viscosity.....	Not available.

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.
Conditions to avoid, including static discharge, shock or vibration	Keep away from heat. Incompatible with strong oxidizers.
Hazardous decomposition products.....	By fire:. Dense black smoke. Oxides of carbon (CO,CO2).
Possibility of hazardous reactions.....	High temperatures .

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Hexane	48,000 ppm rat <4 hours	28,710 rat oral
MINERAL OIL	Not Available	10,000 mg/kg ORAL; 5,000 mg/kg DERMAL
Propane	>1,464 mg/L 15 minutes rat	Not available
Isobutane	52 mg/L 1 hour mouse	Not available
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
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. Possible damage to liver and kidneys. Prolonged or repeated exposure may result in skin sensitization.	
Skin contact.....	Can cause moderate irritation, defatting and dermatitis.	
Skin absorption.....	May be harmful if absorbed through the skin.	
Eye contact.....	Can cause redness, irritation, tissue destruction.	
Inhalation (acute).....	Excessive inhalation of vapours can cause respiratory irritation, dizziness, headache, vomiting and unconsciousness.	
Inhalation (chronic).....	Chronic exposure to organic solvent vapors have been associated with various neurotoxic effects including permanent brain and/or nervous system damage, kidney, liver, blood damage and reproductive effects among women. Symptoms may include nausea, vomiting, abdominal pain, headache, impaired memory, loss of coordination, insomnia and breathing difficulties.	
Ingestion.....	May be harmful or fatal if swallowed. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.	

PRODUCT: PF 508 BATTERY TERMINAL SEALER**SECTION 11: TOXICOLOGICAL INFORMATION**

Carcinogenicity of material..... 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.
 Reproductive effects..... None.
 Toxicological Data

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 This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty. Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations.

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.
 IMDG Classification (Marine)..... UN1950 - AEROSOLS - Class 2.1 - EmS: F-D, S-U - Limited Quantity.
 Marine Pollutant..... Potential marine pollutant.
 Proof of Classification..... In accordance with Part 2.2.1 of the Transportation of Dangerous Goods Regulations (July 2, 2014) - we certify that classification of this product is correct. .

SECTION 15: REGULATORY INFORMATION

WHMIS 1988 classification..... A, B5, D2A, D2B.
 CEPA status..... On Domestic Substances List (DSL).
 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..... Hexane.
 EPA hazardous air pollutants (HAPS) None.
 40CFR63
 TSCA inventory status..... All components are listed.
 California Proposition 65..... This product does not contain any chemical(s) known to the State of California to cause cancer or reproductive toxicity.

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 .. 2016-08-25