



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

**PRODUCT: PF 225 FAST CURE URETHANE WINDSHIELD ADHESIVE (BLACK)**

### SECTION 01: IDENTIFICATION

Product identifier..... PF 225 FAST CURE URETHANE WINDSHIELD ADHESIVE (BLACK)  
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 .. One-component, moisture-hardening polyurethane primer/For professional use. No  
use restrictions on use known.  
Chemical family..... Mixture.  
NFPA rating..... Health: 2 Fire: 1 Reactivity: 1.  
Hazard rating..... Health: 2 Fire: 1 Reactivity: 1.

### SECTION 02: HAZARD IDENTIFICATION



Signal Word..... DANGER.  
Hazard Classification..... Sensitization - Skin — Category 1. Sensitization - Respiratory — Category 1.  
Hazard Description..... H317 May cause an allergic skin reaction. H334 May cause allergy or asthma symptoms or  
breathing difficulties if inhaled.  
Precautionary Statements  
Prevention..... P261 Avoid breathing mists, vapours and sprays. 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. P304 + P340 - If inhaled remove  
person to fresh air and keep comfortable for breathing. P321 - For specific treatment see  
section 4 on this SDS. P333 + P313 If skin irritation or rash occurs, get medical  
advice/attention. P342 + P311 If experiencing respiratory symptoms; call poison center or  
doctor. P362 + P364 - Take off contaminated clothing and wash before reuse.  
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.

### SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene], 2-methyloxirane and oxirane	103837-45-2	30-60
Carbon Black	1333-86-4	3-10
1,2-Cyclohexanedicarboxylicacid, 1,2-diisononyl ester	166412-78-8	10-30
Calcium carbonate	471-34-1	10-30

### 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.  
Consult a physician if irritation continues.  
Skin contact..... Immediately flush skin with plenty of soap and water. Remove contaminated clothing.  
Wash clothing before reuse. If irritation persists, seek medical attention.

**PRODUCT: PF 225 FAST CURE URETHANE WINDSHIELD ADHESIVE (BLACK)****SECTION 04: FIRST-AID MEASURES**

Inhalation.....	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain immediate medical attention.
Ingestion.....	Do not induce vomiting. Do not administer anything by mouth unless advised by a doctor . Call a physician or Poison Control Center immediately. .
Most important symptoms and effects, ..... whether acute or delayed	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.
Indication of immediate medical attention and special treatment needed, if necessary	Treat symptomatically. Symptoms may be delayed. 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.....	Use extinguishing media for surrounding fire.
Unsuitable extinguishing media.....	There is no restriction on the type of extinguisher which may be used.
Specific hazards arising from the ..... hazardous product, such as the nature of any hazardous combustion products	Development of hazardous combustion gases or vapor possible in the event of fire. May expand or decompose explosively when heated or involved in fire.
Special protective equipment and ..... precautions for fire-fighters	Wear self-contained breathing apparatus. Use proper firefighting protective equipment. Do not allow run-off into drains, surface waters or ground waters. Dispose of all runoff water as hazardous waste in accordance with all Local, Provincial and Federal Regulations. Fight fire from a safe distance / protected location.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	Use personal protection equipment. Do not breathe gas/mist/vapour/spray. Ensure adequate ventilation. Remove all sources of ignition. Take precautions against static discharge. Evacuate personnel to a safe area. Keep unnecessary and unprotected personnel from entering spill area and upwind from spill area.
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	Cut off the source of the leak as much as possible. Make sure the leakage site is well aired. Soak up with inert material. Keep in suitable container for disposal. Ventilate. Eliminate all sources of ignition. Use non-sparking tools. Dispose of waste material in accordance with all Local, Provincial and Federal Regulations.

**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling.....	Use adequate ventilation. Wear appropriate protective equipment. Avoid skin and eye contact. Keep away from heat, sparks, and open flame. Handle in accordance with good industrial hygiene and safety practices.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Store in a cool, dry and well ventilated area. Store away from all sources of heat and ignition. Store away from incompatible materials. Incompatible materials include, but not limited to: . No incompatible materials are listed. Observe all local, provincial and national regulations.

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

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	
1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene], 2-methyloxirane and oxirane	Not available	Not available	Not available	Not available	Not available
Carbon Black	3 mg/m3 CA ON: 3 mg/m3 (Inhalable) TWA	Not established	3.5 mg/m3	Not established	3.5 mg/m3
1,2-Cyclohexanedicarboxylic acid, 1,2-diisononyl ester	Not available	Not available	Not available	Not available	Not available
Calcium carbonate	15 mg/m3 Not available	Not available	Not available	Not available	TWA (respirable) 5 mg/m3 TWA (total) 10 mg/m3

**PRODUCT: PF 225 FAST CURE URETHANE WINDSHIELD ADHESIVE (BLACK)****SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
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Not available

## Personal Protective Equipment

Eye/type.....	Chemical safety goggles. Consult your personal protective equipment supplier for additional recommendations.					
Respiratory/type.....	Wear a niosh/msha approved air supply respirator. Consult your personal protective equipment supplier for additional recommendations.					
Gloves/ type.....	Wear impervious gloves. 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.....	Eye wash facility and emergency shower should be in close proximity. Employees should wash their hands and face before eating, drinking, or using tobacco products.					
Appropriate engineering controls.....	Ventilate adequately. Use explosion-proof electrical/ventilating/lighting/equipment.					

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical state.....	Paste.
Odour.....	Slight.
Colour.....	Not available.
Odour threshold (ppm).....	Not available.
pH.....	Not applicable.
Melting / Freezing point (deg C).....	No information available.
Initial boiling point / boiling range (deg C).....	> 35 °C (95 °F).
Flash point (deg C), method.....	> 93°C.
Evaporation rate.....	Not available.
Flammability (solids and gases).....	Not flammable.
Lower flammable limit (% vol)	
Upper flammable limit (% vol).....	Not available.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	Not available.
Relative Density (Specific Gravity).....	1.25-1.45. (water = 1).
Solubility.....	Insoluble in water.
Partition coefficient — n-octanol/water.....	Not available.
Auto ignition temperature (deg C).....	Not available.
Decomposition temperature.....	Not available.
Kinematic Viscosity.....	Not applicable.
Particle characteristics.....	Not applicable.
VOC.....	70 g/L.

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity .....	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability.....	Stable at normal temperatures and pressures.
Conditions to avoid, including static discharge, shock or vibration .....	Incompatible materials. Avoid heat, flame and spark.
Possibility of hazardous reactions.....	Not available.
Incompatible materials.....	No information available.
Hazardous decomposition products.....	Under normal conditions of storage and use, hazardous decomposition products should not be produced. .

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
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1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene], 2-methyloxirane and oxirane	Not available	Not available
Carbon Black	Not available	>10,000 mg/kg (oral rat ) 3,000 mg/kg (dermal rabbit)
1,2-Cyclohexanedicarboxylicacid, 1,2-diisononyl ester	Inhalation 10 mg/m3	Oral > 15400mg/kg (Rat) Dermal > 3000mg/kg (Rabbit)
Calcium carbonate	Not available	Not available

**PRODUCT: PF 225 FAST CURE URETHANE WINDSHIELD ADHESIVE (BLACK)****SECTION 11: TOXICOLOGICAL INFORMATION**

Route of exposure.....	Eye contact. Skin contact. Inhalation. Ingestion.
Symptoms related to the physical, chemical and toxicological characteristics	
Inhalation.....	Not available.
Ingestion.....	Not available.
Eye contact.....	Not available.
Skin contact.....	Not available.
Skin corrosion/irritation.....	Based on available data, the classification criteria are not met. .
Serious eye damage/eye irritation.....	Based on available data, the classification criteria are not met. .
Skin Sensitization.....	May cause an allergic skin reaction.
Respiratory Sensitization.....	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carcinogenicity.....	Carbon black - Group 2B.
Reproductive effects.....	Based on available data, the classification criteria are not met. .
Mutagenicity.....	Based on available data, the classification criteria are not met. .
STOT-SE.....	Based on available data, the classification criteria are not met. .
STOT-RE.....	Based on available data, the classification criteria are not met. .
Aspiration Hazard.....	Based on available data, the classification criteria are not met. .

**SECTION 12: ECOLOGICAL INFORMATION**

Environmental.....	Do not allow to enter waters, waste water or soil.
Persistence and degradability.....	No product information available.
Bioaccumulative potential.....	No product information available.
Mobility in soil.....	No product information 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. Industrial incineration is the preferred method. Empty containers retain product residue; observe all precautions for the product. Decontaminate containers prior to disposal. Empty decontaminated containers should be crushed to prevent reuse. Do not heat or cut empty containers with electric or gas torch as vapours and gases may be toxic.
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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 all the substances are on the DSL or NDSL. See below: . (CAS # 166412-78-8). A component of this product is on the NDSL. (CAS # 103837-45-2). The balance of the substances are on the DSL. Import restriction will apply.
National Pollutant Release Inventory (NPRI)	None listed in this product.
Environmental Emergency Regulations....	None listed in this product.
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 # 1333-86-4).
TSCA inventory status.....	Not all components are listed. CAS # 166412-78-8. The balance of the substances are listed on the TSCA Inventory.
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.
Section 313.....	None known.
EPA hazardous air pollutants (HAPS) .....	None known.
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 cancer . (Carbon black (C)).

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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.

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data sheet