



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

PRODUCT: PF 662C 2K EPOXY PRIMER/SEALER (BLACK) 3.78L

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 662C 2K EPOXY PRIMER/SEALER (BLACK) 3.78L

Recommended use and restrictions on .. Paint related materials.
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 Liquid 2. Sensitization - Skin — Category 1. Aspiration Toxicity 1. Skin Corrosion/Irritation — Category 2. Serious Eye Damage/Eye Irritation — Category 1. Specific Target Organ Toxicity — Single Exposure — Category 3. (Respiratory System). (CNS). (Narcotic Effects). Carcinogenicity — Category 1. Acute Toxicity (Inhalation) — Category 4. Acute Toxicity (Oral) — Category 4. Acute Toxicity (Dermal) — Category 4.

Hazard Description..... H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H350 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. 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. P261 Avoid breathing mists, vapours and sprays. P264 Wash thoroughly after handling. P270 Do not eat drink or smoke while using this product. P271 Use only outdoors or in a well ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves and eye protection.

Response P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P301 + P312 If swallowed call a poison control centre. 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. 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. P308 + P313 If exposed or concerned, get medical advice/attention. P310 - Immediately call your local poison control centre. P312 Call a POISON CENTER/doctor if you feel unwell. P321 - For specific treatment see section 4 on this SDS. P330 Rinse mouth. P331 Do NOT induce vomiting. P332 + P313 - If skin irritation occurs get medical attention or advice. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. 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+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.

PRODUCT: PF 662C 2K EPOXY PRIMER/SEALER (BLACK) 3.78L**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Talc	14807-96-6	10-30
Diglycidyl ether of bisphenol A	25036-25-3	7-13
4-Chlorobenzotrifluoride	98-56-6	5-10
Iron Oxide	1317-61-9	5-10
tert-Butyl acetate	540-88-5	3-7
Xylene	1330-20-7	3-7
Calcium borate	13701-64-9	1-5
Butyl Alcohol	71-36-3	1-5
Distillates (Petroleum) Hydrotreated Light	64742-47-8	0.5-1.5
Ethylbenzene	100-41-4	0.1-1
Petroleum (highly purified)	8009-03-8	0.1-1
Calcium carbonate	471-34-1	0.1-1
Acetate Ester	HMIRA # 9615	Not available
Aryl Halides	HMIRA # 9615	Not available
Calcium Alkyl Napthalene Sulfonate	N/Av	1-5
<<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. Consult a physician if irritation continues.
Skin contact.....	Immediately flush skin with plenty of water. Remove contaminated clothing. Wash clothing before reuse. 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.....	ASPIRATION HAZARD IF SWALLOWED. Do not induce vomiting. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. Get medical attention.
Most important symptoms and effects, whether acute or delayed	Aspiration hazard. Harmful if swallowed, in contact with skin or if inhaled. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Causes skin irritation. Harmful by inhalation. May cause irritation of the mucous membranes. Causes damage to organs through prolonged or repeated exposure. This product contains ingredients that may cause cancer. This product contains ingredients that are suspected of damaging fertility or the unborn child.
Indication of immediate medical attention and special treatment needed, if necessary	Treat 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 extinguishing media.....	Foam, "alcohol" foam, CO2, dry chemical, water fog.
Unsuitable extinguishing media.....	Do not use solid water streams or water jet.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Do not allow run-off from fire fighting to enter drains or water courses. Vapors may form explosive mixture in air. Vapors may travel considerable distance to a source of ignition and flash back. . During fire, gases hazardous to health may be formed. Hazardous combustion products may include but not limited to: Oxides of carbon (CO, CO2). Metal oxides. Silicon dioxide. Silica fumes. Oxides of boron. Calcium oxide. Sulphur oxide.
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

Methods and materials for containment and cleaning up	Cover spill with inert absorbant material. Sweep up and place in container for proper disposal. Always wear ppe during cleanup. Clean up any residual material with absorbent and dispose of as hazardous waste.
Environmental precautions.....	Do not allow product to leak into drains or waterways. If spill does contaminate waterways then inform authorities.

PRODUCT: PF 662C 2K EPOXY PRIMER/SEALER (BLACK) 3.78L**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures Use non-sparking tools and equipment to pick up the spilled material. Take precautions against static discharge. 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. Ventilate area, eliminate all sources of ignition, sound alarm, avoid all skin and eye contact and avoid breathing vapours.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling..... Do not eat, drink or smoke while using this product. Keep away from heat, sparks, and open flame. Avoid breathing vapours or mist. Avoid formation of aerosol. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Do not spray on a naked flame or any incandescent material. 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. Take precautions against static discharge. Handle and open container with care. Vapours may form explosive mixtures with air. Employees should wash hands and face before eating or drinking. Empty container is hazardous. Dispose of rinse water according to local, Provincial and Federal guidelines. Handle in accordance with good industrial hygiene and safety practices.

Conditions for safe storage, including any incompatibilities Keep away from heat, sparks, and open flames. Observe label precautions. No smoking. Keep container closed when not in use. Store away from oxidizing and reducing materials. Store away from sunlight. Electrical installations / working materials must comply with the technological safety standards. Incompatible materials include, but not limited to: Reducing agents. Acids. Halogens. Oxidizing agents. Amines. Strong acids. Strong bases. Nitrates. Plastics. Ammonia. Strong reducing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Talc	2 mg/m3 CA ON: 2mg/kg (TWA)	Not available	2 mg/m3 TWA	Not available	2 mg/m3	
Diglycidyl ether of bisphenol A	Not established	Not established	Not established	Not established	Not established	Not established
4-Chlorobenzotrifluoride	Not established	Not established	Not established	Not established	Not established	Not established
Iron Oxide	Not available 1 mg/m3	Not available	Not available	Not available	Not available	Not available
tert-Butyl acetate	200 ppm CA ON AB BC: 50ppm (TWA), 200ppm (STEL)	Not established	200 ppm	Not established	200 ppm	
Xylene	50 ppm CA ON: 100ppm (TWA); 150ppm (STEL)	150 ppm	100 ppm TWA	Not available	Not available	Not available
Calcium borate	Not available	Not available	TLV inhalable dust: 15 mg/m ³ OSHA	TLV respirable dust: 5 mg/m ³ OSHA	Not available	Not available
Butyl Alcohol	Not available 20 ppm CA ON: 20 ppm (TWA)	Not established	100 ppm	Not established	50 ppm skin	
Distillates (Petroleum) Hydrotreated Light	1200 mg/m3 CA BC: 200mg/m3 (TWA) Skin	197 ppm	Not available	Not available	Not available	Not available
Ethylbenzene	100 ppm CA ON: 20ppm (TWA)	125 ppm	100 ppm	Not established	100 ppm / STEL 125 ppm	
Petroleum (highly purified)	Not available Not available	Not available	Not available	Not available	Not available	Not available

PRODUCT: PF 662C 2K EPOXY PRIMER/SEALER (BLACK) 3.78L**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Calcium carbonate	Not available	Not available	Not available	Not available	TWA (respirable) 5 mg/m ³ TWA (total) 10 mg/m ³
Acetate Ester	Not available 200 ppm - TWA	Not available	Not available	Not available	Not available
Aryl Halides	Not available	Not available	Not available	Not available	Not available
Calcium Alkyl Napthalene Sulfonate	Not available	Not available	Not available	Not available	Not available
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.....	Liquid chemical goggles. Chemical safety goggles and full faceshield if a splash hazard exists. Consult your personal protective equipment supplier for additional recommendations.				
Gloves/ type.....	Wear skin protection equipment. The selection of skin protection equipment depends on the nature of the work to be performed. Consult your personal protective equipment supplier for additional recommendations.				
Clothing/type.....	Wear chemical resistant 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.				
Respiratory/type.....	Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits. Consult your personal protective equipment supplier for additional recommendations.				
Other/type.....	Emergency showers and eye wash stations should be available.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state.....	Liquid.
Colour.....	Colourless.
Odour.....	Aromatic.
Odour threshold (ppm).....	Not available.
pH.....	Not available.
Melting / Freezing point (deg C).....	Not available.
Initial boiling point / boiling range (deg C).....	Not available.
Flash point (deg C), method.....	4 °C.
Evaporation rate.....	Not available.
Flammability (solids and gases).....	Not applicable. Flammable liquid.
Upper flammable limit (% vol).....	Not available.
Lower flammable limit (% vol).....	Not available.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	Not available.
Relative Density (Specific Gravity).....	1.318.
Solubility.....	Not available.
Partition coefficient — n-octanol/water.....	Not available.
Auto ignition temperature (deg C).....	Not available.
Decomposition temperature.....	Not available.
Viscosity.....	Not available.
% Volume Volatile exempt.....	51.41.
Formula LBS/GAL.....	11.00.
% Weight Solids.....	52.68.
% Volume Solids.....	35.29.
% Weight Volatile (VOC).....	8.53.
% Volume Volatile (VOC).....	40.66.
LBS VOC/GAL solids.....	2.7.
Total MIR.....	0.24.

PRODUCT: PF 662C 2K EPOXY PRIMER/SEALER (BLACK) 3.78L**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Coverage (sq ft/gal @ 1 mil).....	566.
VOC LBS/GAL less exempt volatiles.....	1.93.
VOC LBS/GAL less water.....	0.94.
Percent weight binder.....	35.7.
Percent volume binder.....	19.2.
Percentage weight pigment.....	13.90.
Percentage volume pigment.....	5.22.
PVC Ratio.....	21.38.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents.
Chemical stability.....	Stable at normal temperatures and pressures.
Possibility of hazardous reactions.....	May form explosive mixtures with: air. Xylene will attack some forms of plastic, rubber and coatings. Hazardous polymerization will not occur.
Conditions to avoid, including static discharge, shock or vibration	Avoid heat, spark, open flames. Static discharge. May decompose at high temperatures. Moisture. Humidity.
Incompatible materials.....	Halogens. Acids. Oxidizing agents. Reducing agents. Amines. Ammonia. Water.
Hazardous decomposition products.....	Carbon dioxide. Carbon monoxide. Strong oxidizing agents. Acetic acid. Hydrocarbons. Hydrogen chloride. Hydrogen fluoride.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Talc	Not available	Not available
Diglycidyl ether of bisphenol A	Not Available	Not Available
4-Chlorobenzotrifluoride	4479 ppm	>6,800 mg/kg (rat oral); >2,700 mg/kg (rabbit dermal)
Iron Oxide	Not available	Not available
tert-Butyl acetate	>2,230 mg/m ³ 4 hours rat	4,100 mg/kg (rat, oral); >2,000 mg/kg (rabbit, dermal)
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral
Calcium borate	Not available	Oral > 5000 mg/kg (rabbit) Dermal > 2000 mg/kg (rabbit)
Butyl Alcohol	8,000 ppm 4 hours	790 mg/kg rat oral 3,400 mg/kg rabbit dermal
Distillates (Petroleum) Hydrotreated Light	>5.2 mg/L (4 hr.)	>5000 mg/kg (oral, rat), >2000 mg/kg (dermal, rabbit)
Ethylbenzene	No data	3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal
Petroleum (highly purified)	Not available	Not available
Calcium carbonate	Not available	Not available
Acetate Ester	Inhalation >16000 ppm (Rat)	Oral >5000 mg/kg (Rat) Dermal >5000 mg/kg (Rabbit)
Aryl Halides	Inhalation 33 mg/L/4h (Rat)	Oral >13000 mg/kg (Rat) Dermal >2000 mg/kg (Rabbit)
Calcium Alkyl Napthalene Sulfonate	Not available	Not available
Route of exposure.....	Eye contact. Skin contact. Inhalation. Ingestion.	
Effects of acute exposure.....	Causes serious eye irritation. Can cause moderate skin irritation. Causes respiratory tract irritation. This product is harmful if inhaled or swallowed.	
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. Prolonged overexposure to crystalline silica (quartz) dust can cause fibrotic lung damage. Aspiration into the lungs may cause a lung injury. Prolonged overexposure may cause central nervous system depression with narcotic effects (headaches, dizziness, unconsciousness).	
Serious eye damage/eye irritation.....	Causes serious eye damage.	
Skin corrosion/irritation.....	Causes skin irritation.	
Respiratory Sensitization.....	Not expected to be a respiratory sensitizer.	
Skin Sensitization.....	May cause an allergic skin reaction.	

PRODUCT: PF 662C 2K EPOXY PRIMER/SEALER (BLACK) 3.78L**SECTION 11: TOXICOLOGICAL INFORMATION**

Carcinogenicity.....	Ethylbenzene is classified as an A3 known animal carcinogen. Quartz (Crystalline Silica) is listed by IARC in Group 1 as a carcinogen. This product contains non-asbestiform Talc, which is classified as a Group 3 (not classifiable as to carcinogenicity to humans) by IARC .
Mutagenicity.....	Ethylbenzene has been shown to be mutagenic for mammalian somatic cells.
Reproductive effects.....	High level exposure to Xylene in some animal studies have been reported to cause health effects on the developing embryo/fetus.
STOT-SE.....	May cause drowsiness or dizziness. May be harmful if swallowed. May cause respiratory irritation.
Aspiration Hazard.....	May be harmful if swallowed and enters airways.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	Do not allow product to enter drains, sewers, bodies of water or soil.
Bioaccumulative potential.....	Not available as a product.
Mobility in soil.....	No product data available.
Persistence and degradability.....	Not available as a product.

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.....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - This product meets the Limited Quantity exemption when packaged in containers less than 5 liters.
DOT Classification (Road).....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - Ltd Qty (5 L). Refer to 49CFR 172.101 for additional non-bulk packaging requirement.
IATA Classification (Air).....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II. Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - EmS: F-E S-E. 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.....	Contains ingredient(s) not on the DSL.
Schedule 8 of the New Substances Notification Regulations - additional reporting may be required	(CAS # 71-36-3). (CAS # 25036-25-3).
New Substances Risk Assessment Summary	(CAS # 540-88-5).
National Pollutant Release Inventory (NPRI)	Some components are subject to reporting under NPRI. Please check your responsibility. (CAS # 71-36-3 (Cat 1A)). (CAS # 64742-47-8 (CAT 5)). (CAS # 1330-20-7 (CAT 1A &5)). (CAS # 100-41-4 (CAT 1A)).
Environmental Emergency Regulations....	Some components of this product are on the Environmental Emergency Regulations and may require additional reporting. Xylene (CAS # 1330-20-7) Part 1. Ethylbenzene (CAS # 100-41-4) Part 1.
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 # 1330-20-7). (CAS # 71-36-3). (CAS # 14807-96-6). (CAS # 64742-47-8). (CAS # 8009-03-8). (CAS # 25036-25-3).
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.
Section 311/312 - hazard categories.....	Immediate health, delayed health, fire hazard.
Section 313.....	Butyl alcohol. Ethylbenzene. Xylene.
EPA hazardous air pollutants (HAPS) 40CFR63	Ethylbenzene. Xylene.
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 . (Ethylbenzene (C)). (Silica, crystalline (airborne particles of respirable size(C)). For more information, go to www.P65Warnings.ca.gov .

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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