



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 .. Paints.
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. Skin Irritation — Category 2. Skin Sensitizer — Category 1. Serious Eye Damage — Category 1. Acute Toxicity (Inhalation) — Category 4. Specific Target Organ Toxicity — Single Exposure — Category 3. (narcotic effects). (respiratory system). Carcinogenicity — Category 1. Reproductive Toxicity — Category 2. Specific Target Organ Toxicity — Repeated Exposure — Category 1.

Hazard Description..... H225 Highly flammable liquid and vapour. 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 This product contains ingredients that may cause cancer. H361 Suspected of damaging fertility or the unborn child. H372 Causes damage to organs through prolonged or repeated exposure.

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. P260 Do not breathe the mist, vapours, or spray. 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 P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P302 + P352 - If on skin: wash with plenty of water. P362 + P364 - Take off contaminated clothing and wash before reuse. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. 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. P310 - Immediately call your local poison control centre. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. P308 + P313 If exposed or concerned, get medical advice/attention.

Storage..... P233 Keep container tightly closed. P403 + P235 Store in well ventilated area. Keep cool. P405 Store locked up.

Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

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

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
tert-Butyl acetate	540-88-5	10-30
Talc	14807-96-6	10-30
Diglycidyl ether of bisphenol A	25036-25-3	7-13
Propylene Glycol Methyl Ether	107-98-2	5-10
Xylene	1330-20-7	3-7
4-Chlorobenzotrifluoride	98-56-6	1-5
Butyl Alcohol	71-36-3	1-5
Ethylbenzene	100-41-4	1-5
Distillates (Petroleum) Hydrotreated Light	64742-47-8	0.5-1.5
Crystalline Silica	14808-60-7	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. 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.....	Get medical attention. Do not induce vomiting. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs.
Most important symptoms and effects, whether acute or delayed	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. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. 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.
Additional information.....	Treat victims 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 and unsuitable extinguishing media	Carbon dioxide, dry chemical, foam. Do not use water in a jet. 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	The vapour is heavier than air, spreads along the ground and distant ignition is possible. . This material is a static accumulator. Oxides of carbon (CO, CO ₂). Oxides of nitrogen. Chlorine compounds. Phenolics. Aldehydes.
Special protective equipment and precautions for fire-fighters	Solvent vapours may be heavier than air and may build up and travel along the ground to an ignition source, which may result in a flash back to the source of the vapours. 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 Leak/spill.....	Ventilate. Eliminate all sources of ignition. Avoid all personal contact. Evacuate all non-essential personnel. Contain the spill. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. 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.
Personal precautions, protective equipment and emergency procedures	Use non-sparking tools and equipment to pick up the spilled material. 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.

PRODUCT: PF 662C 2K EPOXY PRIMER/SEALER (BLACK) 3.78L**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling..... Keep away from heat, sparks, and open flame. Avoid breathing vapours or mist. 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. Ground handling equipment. 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 oxidizing and reducing materials. Store away from sunlight.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH REL
	TWA	STEL	PEL	STEL	
tert-Butyl acetate	200 ppm CA ON AB BC: 50ppm (TWA), 200ppm (STEL)	Not established	200 ppm	Not established	200 ppm
Talc	2 mg/m3 CA ON: 2mg/kg (TWA)	Not established	2 mg/m3 TWA	Not established	Not established
Diglycidyl ether of bisphenol A	Not established	Not established	Not established	Not established	Not established
Propylene Glycol Methyl Ether	100 ppm	150 ppm	Not established	Not established	100 ppm
Xylene	50 ppm CA ON: 100ppm (TWA); 150ppm (STEL)	150 ppm	100 ppm TWA	Not established	Not established
4-Chlorobenzotrifluoride	Not established	Not established	Not established	Not established	Not established
Butyl Alcohol	20 ppm CA ON: 20 ppm (TWA)	Not established	100 ppm	Not established	50 ppm skin
Ethylbenzene	100 ppm CA ON: 20ppm (TWA)	125 ppm	100 ppm	Not established	100 ppm / STEL 125 ppm
Distillates (Petroleum) Hydrotreated Light	1200 mg/m3 CA BC: 200mg/m3 (TWA) Skin	197 ppm	Not established	Not established	Not established
Crystalline Silica	0.025 mg/m3 CA ON: 0.025 mg/m3 Respirable	Not established	0.1 mg/m3 TWA	Not established	0.05 mg/m3

Personal Protective Equipment

Eye/type..... Liquid chemical goggles. Chemical safety goggles and full faceshield if a 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.

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.

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.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state..... Liquid.

Colour..... Black.

Odour..... Aromatic.

Odour threshold (ppm)..... Not available.

pH..... No data.

Melting / Freezing point (deg C)..... Not available.

Initial boiling point / boiling range (deg C). > 98 °C.

Flash point (deg C), method..... 4 °C. (estimate; lowest flash point ingredient).

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

Evaporation rate.....	Not available.
Flammability (solids and gases).....	Not applicable. Flammable liquid.
Upper flammable limit (% vol).....	13.7.
Lower flammable limit (% vol).....	0.9.
Vapour pressure (mm Hg).....	No data.
Vapour density (air=1).....	>1.
Relative Density (Specific Gravity).....	1.289.
Pounds / USG.....	10.76.
Solubility.....	Slightly soluble in water.
Partition coefficient — n-octanol/water.....	Not available.
Auto ignition temperature (deg C).....	287.
Decomposition temperature.....	Not available.
Viscosity.....	18.2 sec Zahn #2.
VOC (less water).....	2.17 lbs/USG.
% Volatile by weight.....	20.18.

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 occur with: Aliphatic amines.
Conditions to avoid, including static discharge, shock or vibration	Static discharge. May decompose at high temperatures.
Incompatible materials.....	Strong acids. Strong bases. Strong oxidizers. Amines. Reducing agents.
Hazardous decomposition products.....	See hazardous combustion products section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
tert-Butyl acetate	>2,230 mg/m ³ 4 hours rat	4,100 mg/kg (rat, oral); >2,000 mg/kg (rabbit, dermal)
Talc	Not available	Not available
Diglycidyl ether of bisphenol A	Not Available	Not Available
Propylene Glycol Methyl Ether	54.6 mg/L rat	36,000 mg/kg rat oral
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral
4-Chlorobenzotrifluoride	4479 ppm	>6,800 mg/kg (rat oral); >2,700 mg/kg (rabbit dermal)
Butyl Alcohol	8,000 ppm 4 hours	790 mg/kg rat oral 3,400 mg/kg rabbit dermal
Ethylbenzene	No data	3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal
Distillates (Petroleum) Hydrotreated Light	>5.2 mg/L (4 hr.)	>5000 mg/kg (oral, rat), >2000 mg/kg (dermal, rabbit)
Crystalline Silica	Not available	>22,500 mg/kg (oral rat)
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
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.	
Sensitizing capability of material.....	Prolonged overexposure to crystalline silica (quartz) dust can cause fibrotic lung damage.	
Carcinogenicity of material.....	May cause sensitization by skin contact. 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 .	
Reproductive effects.....	High level exposure to Xylene in some animal studies have been reported to cause health effects on the developing embryo/fetus. The relevance of this to humans is not known.	
Specific Target Organ Toxicity	May cause drowsiness or dizziness. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure .	

PRODUCT: PF 662C 2K EPOXY PRIMER/SEALER (BLACK) 3.78L**SECTION 12: ECOLOGICAL INFORMATION**

Environmental..... 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.

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 (1 litre). Refer to 49CFR 172.101 for additional non-bulk packaging requirements.

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.

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..... Immediate health, delayed health, fire hazard.

Section 313..... Butyl alcohol. Ethylbenzene. Xylene.

EPA hazardous air pollutants (HAPS) Ethylbenzene. Manganese Compounds. Toluene. Xylene.

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. (Toluene). *** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer . (Ethyl benzene). (Silica, crystalline (airborne particles of respirable size). For more information, go to www.P65Warnings.ca.gov.

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