



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

**PRODUCT: PF704A FLEXIBLE PLASTIC EPOXY REPAIR**

### 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..... PF704A FLEXIBLE PLASTIC EPOXY REPAIR

Recommended use and restrictions on .. Automotive. Paints.  
use

Chemical family..... Epoxy resin.

Hazard rating

NFPA rating..... Health: 2 Fire: 2 Reactivity: 0.

HMIS..... H: 2 F: 2 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..... Aspiration Toxicity 2. Skin Sensitizer — Category 1. Reproductive Toxicity — Category 2.

Hazard Description..... H305 May be harmful if swallowed and enters airways. H317 May cause an allergic skin reaction. H361 Suspected of damaging fertility or the unborn child.

Prevention..... P201 Obtain special instructions before use. P202 Do not handle this product until all safety instructions have been read and understood. P261 Avoid breathing dust. 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. P331 Do NOT induce vomiting. P302 + P352 - If on skin: wash with plenty of water. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P362 + P364 - Take off contaminated clothing and wash before reuse. P308 + P313 If exposed or concerned, get medical advice/attention. P321 - For specific treatment see section 4 on this SDS.

Storage..... P405 Store locked up.

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. %
Butyl Benzyl Phthalate	85-68-7	5-10

### 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.

**PRODUCT: PF704A FLEXIBLE PLASTIC EPOXY REPAIR****SECTION 04: FIRST-AID MEASURES**

Ingestion..... This product could cause chemical pneumonitis through aspiration of the product into the lungs following accidental ingestion. 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. 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, CO2, dry chemical.

Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products ..... Oxides of carbon (CO, CO2).

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.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Leak/spill..... Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. 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%). 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.

**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling..... Keep away from heat, sparks, and open flame. 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. Avoid breathing vapours or mist. 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.

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

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Butyl Benzyl Phthalate	Not established	Not established	Not established	Not established	Not established	Not established
Eye/type.....	Liquid chemical goggles.					
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. Butyl rubber. Nitrile rubber. Vitron.					
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 should be used to maintain levels below the exposure limits.					

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical state..... Paste.

Colour..... Blue.

Odour..... Sweet odour.

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

Vapour pressure (mm Hg)..... 2 Pa.

Vapour density (air=1)..... 10.8.

pH..... Not applicable.

Relative Density (Specific Gravity)..... 1.10.

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

Solubility..... 2.82%.

Initial boiling point / boiling range (deg C). 240°C.

**PRODUCT: PF704A FLEXIBLE PLASTIC EPOXY REPAIR****SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Evaporation rate.....	Not available.
Flash point (deg C), method.....	> 149°C Closed cup.
Auto ignition temperature (deg C).....	Not available.
Upper flammable limit (% vol).....	Not applicable.
Lower flammable limit (% vol).....	No Data.
Partition coefficient — n-octanol/water.....	Not available.
% Volatile by volume.....	< 1.0%.

**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. Contact with water liberates toxic gas.
Conditions to avoid, including static discharge, shock or vibration .....	Strong oxidizers, amines, strong lewis or mineral acids, mercaptans, anhydrides, thiosulfates, carboxylic acids, alcohol, amides. Reacts with caustic.
Hazardous decomposition products.....	Dense black smoke. Oxides of carbon (CO,CO2).
Possibility of hazardous reactions.....	Hazardous polymerization will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Butyl Benzyl Phthalate	Not Available	2330 mg/kg rat oral 6700 mg/kg rat dermal
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
Skin contact.....	Can cause moderate irritation, defatting and dermatitis.	
Skin absorption.....	No evidence of adverse effects from available information.	
Eye contact.....	Can cause redness, irritation, tissue destruction.	
Inhalation (acute).....	May affect central nervous system. Symptoms include headache, tearing, nausea, excitation, hyper-irritability, loss of equilibrium, convulsion and depression.	
Inhalation (chronic).....	See acute inhalation.	
Ingestion.....	May be harmful or fatal if swallowed. Aspiration of liquid into lungs can cause chemical pneumonitis.	
Effects of chronic exposure.....	Prolonged or repeated contact may cause skin irritation.	
Carcinogenicity of material.....	Butyl benzyl phthalate is listed as a Group 3 carcinogen per IARC, not classifiable as to its carcinogenicity to humans .	
Reproductive effects.....	Butyl Benzyl Phthalate is known by the State of California to cause reproductive toxicity.	

**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	Empty containers must be handled with care due to product residue. Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations.
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**SECTION 14: TRANSPORT INFORMATION**

TDG Classification.....	Not regulated.
IATA Classification (Air).....	Not regulated.
IMDG Classification (Marine).....	Not regulated.
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**

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.
Section 311/312 - hazard categories.....	Immediate health, delayed health.
Section 313.....	None.

**PRODUCT: PF704A FLEXIBLE PLASTIC EPOXY REPAIR****SECTION 15: REGULATORY INFORMATION**

EPA hazardous air pollutants (HAPS) ..... None.

40CFR63

California Proposition 65..... \*WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. (Butyl benzyl phthalate).

**SECTION 16: OTHER INFORMATION**

Prepared by: ..... 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.

Review Date:..... 2021-11-09.

Date of the latest revision of the safety .. 2017-08-04  
data sheet



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**PRODUCT: PF 704B FLEXIBLE PLASTIC EPOXY REPAIR**

### 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 704B FLEXIBLE PLASTIC EPOXY REPAIR

Recommended use and restrictions on .. Automotive. Paints.  
use

Chemical family..... Epoxy resin.

NFPA rating..... Health: 3 Fire: 1 Reactivity: 0.

HMIS..... H: 3 F: 1 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..... Corrosive to metals 1. Skin Irritation — Category 2. Skin Sensitizer — Category 1. Eye Irritant 2.

Hazard Description..... H290 May be corrosive to metals. H316 Causes mild skin irritation. H317 May cause an allergic skin reaction. H320 Causes eye irritation.

Prevention..... P234 Keep only in original packaging. P264 Wash thoroughly after handling. 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.

Response ..... P390 Absorb spillage to prevent material-damage. P332 + P313 - If skin irritation occurs get medical attention or advice. P302 + P352 - If on skin: wash with plenty of water. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P362 + P364 - Take off contaminated clothing and wash before reuse. 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. P321 - For specific treatment see section 4 on this SDS.

Storage..... P406 Store in a corrosion resistant container with a resistant inner liner.

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. %
2,4,6-Tris(Dimethylaminomethyl) Phenol	90-72-2	10-30
Bis-((Dimethylamino)methyl) phenol	71074-89-0	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. 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..... 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.

**PRODUCT: PF 704B FLEXIBLE PLASTIC EPOXY REPAIR****SECTION 04: FIRST-AID MEASURES**

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 ..... "Alcohol" foam, CO<sub>2</sub>, dry chemical.  
 Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products ..... Oxides of carbon (CO, CO<sub>2</sub>).  
 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.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Leak/spill..... Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. Evacuate all non-essential personnel. 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%). Prevent runoff into drains, sewers, and other waterways. 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.

**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling..... Keep away from heat, sparks, and open flame. 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. Avoid breathing vapours or mist. 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.

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

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
2,4,6-Tris(Dimethylamino methyl) Phenol	Not established	Not established	Not established	Not established	Not established	Not established
Bis-((Dimethylamino)methyl) phenol	Not established	Not established	Not established	Not established	Not established	Not established
Eye/type.....	Liquid chemical goggles.					
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. Butyl rubber. Nitrile rubber. Vitron.					
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. Local exhaust should be used to maintain levels below the exposure limits.					

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical state..... Paste.  
 Colour..... Light grey.  
 Odour..... Sweet odour.  
 Odour threshold (ppm)..... Not available.  
 Vapour pressure (mm Hg)..... 0.13 kpa.  
 Vapour density (air=1)..... 7.59.  
 pH..... Slightly acidic.  
 Relative Density (Specific Gravity)..... 1.10.  
 Melting / Freezing point (deg C)..... Not available.  
 Solubility..... Insoluble.  
 Initial boiling point / boiling range (deg C). 110°C.  
 Evaporation rate..... Not available.

**PRODUCT: PF 704B FLEXIBLE PLASTIC EPOXY REPAIR****SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Flash point (deg C), method..... > 93°C.  
 Auto ignition temperature (deg C)..... Not available.  
 Upper flammable limit (% vol)..... 7.0.  
 Lower flammable limit (% vol)..... 1.0.  
 Partition coefficient — n-octanol/water..... Not available.  
 Viscosity..... No data.

**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. Contact with water liberates toxic gas.  
 Conditions to avoid, including static ..... Strong oxidizing material.  
 discharge, shock or vibration  
 Hazardous decomposition products..... By fire: Dense black smoke. Oxides of carbon (CO,CO2).  
 Possibility of hazardous reactions..... Hazardous polymerization will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
2,4,6-Tris(Dimethylaminomethyl) Phenol	>0.5 mg/L 1Hr Inhalation, Rat	1200 mg/kg oral rat 1280 mg/kg dermal rabbit
Bis-((Dimethylamino)methyl) phenol	Not Available	Not Available
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
Skin contact.....	Corrosive.	
Skin absorption.....	May be harmful if absorbed through the skin.	
Eye contact.....	Corrosive.	
Inhalation (acute).....	Irritating to respiratory tract.	
Ingestion.....	May be harmful or fatal if swallowed. Aspiration of liquid into lungs can cause chemical pneumonitis.	
Effects of chronic exposure.....	Possible damage to liver and kidneys.	
Sensitizing capability of material.....	May cause sensitization by skin contact.	
Carcinogenicity of material.....	None known.	
Reproductive effects.....	No 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 . Empty containers must be handled with care due to product residue. Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations.

**SECTION 14: TRANSPORT INFORMATION**

TDG Classification..... UN2735 - AMINES, LIQUID, CORROSIVE, N.O.S. (Tris-2,4,6-(Dimethylaminomethyl) Phenol) - Class 8 - Packing Group III - This product meets the Limited Quantity exemption when packaged in containers less than 5 liters. This product meets the Limited Quantity exemption when packaged in containers less than 5 liters.  
 IATA Classification (Air)..... UN2735 - AMINES, LIQUID, CORROSIVE, N.O.S. (Tris-2,4,6-(Dimethylaminomethyl) Phenol) - Class 8 - Packing Group III .  
 IMDG Classification (Marine)..... UN2735 - AMINES, LIQUID, CORROSIVE, N.O.S. (Tris-2,4,6-(Dimethylaminomethyl) Phenol) - Class 8 - Packing Group III - EmS: F-E S-E.  
 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..... 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

**PRODUCT: PF 704B FLEXIBLE PLASTIC EPOXY REPAIR****SECTION 15: REGULATORY INFORMATION**

Section 302 - extremely hazardous ..... None.  
 substances  
 Section 311/312 - hazard categories..... Immediate health, delayed health.  
 Section 313..... None.  
 EPA hazardous air pollutants (HAPS) ..... None.  
 40CFR63  
 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: ..... 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.

Review Date:..... 2021-11-09.  
 Date of the latest revision of the safety .. 2017-08-04  
 data sheet