



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

PRODUCT: 18310 FIX STEEL EPOXY

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..... 18310 FIX STEEL EPOXY

Recommended use and restrictions on .. Adhesive applications. Sealer.
use

Chemical family..... Epoxy resin.

NFPA rating..... Health: 2 Fire: 1 Reactivity: 0.

HMIS..... H: 2 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..... DANGER.

Hazard Classification..... Skin Irritation — Category 2. Skin Sensitizer — Category 1. Eye Irritation — Category 2B.
Carcinogenicity — Category 1.

Hazard Description..... H315 Causes skin irritation. H317 May cause an allergic skin reaction. H320 Causes eye
irritation. H350 This product contains ingredients that 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. P261 Avoid breathing mists, vapours
and sprays. P264 Wash thoroughly after handling. P272 Contaminated work clothing
should not be allowed out of the workplace. P280 Wear protective gloves and eye
protection.

Response 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. 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. P308 + P313 If
exposed or concerned, get medical advice/attention.

Storage..... P405 Store locked up.

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

Note This product mixture has been classified based on its ingredients.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Bisphenol A Epoxy Resin	25068-38-6	10-30
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. 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.

PRODUCT: 18310 FIX STEEL EPOXY**SECTION 04: FIRST-AID MEASURES**

Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.
Ingestion.....	Rinse mouth with water. Give 1 to 2 glasses of water to drink. 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.
Most important symptoms and effects, whether acute or delayed	Can cause skin sensitization. Causes skin irritation. Causes eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. This product contains ingredients that may cause cancer.
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	Use extinguishing media that is applicable to surrounding fire.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Oxides of carbon (CO, CO ₂). Sulfur Oxides. Halogenated compounds. Metal oxides.
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. Avoid all personal contact. Evacuate all non-essential personnel. Contain the spill. Prevent runoff into drains, sewers, and other waterways. Remove mechanically by method which minimizes generation of airborne dust (ie. Vacuum). 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.
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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. 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. Store in a cool and dry place, for product integrity. Store away from sunlight. Keep container closed when not in use. Do not store above 35 deg c.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Bisphenol A Epoxy Resin	Not established	Not established	Not established	Not established	Not established	Not established
Crystalline Silica	0.025 mg/m ³	Not established	0.1 mg/m ³ TWA	Not established	0.05 mg/m ³	
	CA ON: 0.025 mg/m ³ Respirable					
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.					
Eye/type.....	Liquid chemical goggles.					
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. Employees should wash their hands and face before eating, drinking, or using tobacco products.					
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.					

PRODUCT: 18310 FIX STEEL EPOXY**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical state.....	Solid.
Colour.....	Dark grey. Black.
Odour.....	Sulfur compounds. Pungent odour.
Odour threshold (ppm).....	Not available.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	Not available.
pH.....	Not applicable.
Relative Density (Specific Gravity).....	2.247.
Melting / Freezing point (deg C).....	Not applicable.
Solubility.....	Soluble in methanol and acetone. Insoluble in water.
Initial boiling point / boiling range (deg C).....	Not available.
Evaporation rate.....	Not applicable.
Flash point (deg C), method.....	>93.3°C Setflash (>199.94°F). Does not support combustion.
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.....	0.
VOC (less water).....	0.0.
Decomposition temperature.....	>220°C (>428°F).
Viscosity.....	Not Applicable.

SECTION 10: STABILITY AND REACTIVITY

Chemical stability.....	Stable at normal temperatures and pressures.
Reactivity	Hazardous polymerization will not occur.
Possibility of hazardous reactions.....	Hazardous polymerization will not occur.
Conditions to avoid, including static discharge, shock or vibration	None known.
Hazardous decomposition products.....	By fire:. Dense black smoke. Oxides of carbon (CO,CO2).

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Bisphenol A Epoxy Resin	Not Available	>10000 mg/kg (rat oral)
Crystalline Silica	Not available	>22,500 mg/kg (oral rat)
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
Effects of acute exposure.....	Can be irritating to eyes and skin. May cause sensitization by skin contact. Excessive vapours may cause nasal and respiratory tract irritation.	
Effects of chronic exposure.....	A substance in this product may cause skin sensitization after prolonged or repeated contact.	
Carcinogenicity of material.....	Quartz (Crystalline Silica) is listed by IARC in Group 1 as a carcinogen.	
Reproductive effects.....	None known.	
Sensitizing capability of material.....	May cause sensitization by skin contact.	

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.
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. .

PRODUCT: 18310 FIX STEEL EPOXY

SECTION 15: REGULATORY INFORMATION

CEPA status..... Not determined.
 TSCA inventory status..... All components are either listed or exempt from the TSCA. .
 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.
 Section 313..... None.
 EPA hazardous air pollutants (HAPS) None.
 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 . (Talc, not containing asbestiform fibers). (Carbon black - airborne, unbound particles of respirable size). (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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 Date of the latest revision of the safety .. 2018-05-22
 data sheet