

PE-CF PART B SAFETY DATA SHEET

1 - IDENTIFICATION

MANUFACTURER / SUPPLIER / DISTRIBUTER	PUREPOXY 301, rue Omer-DeSerres #105 Blainville QC J7C 0K2	PRODUCT NAME	PE-CF PART B
PHONE	450-818-0626	RECOMMENDED USE	Epoxy Hardener, Crack Filler
EMERGENCY PHONE	613-996-6666 (CANUTEC 24H)	RESTRICTION ON USE	Not available
		REVISION DATE	JANUARY 23, 2020

2 - HAZARDS IDENTIFICATION

SGH CLASSIFICATION	Acute Toxicity, Oral: Category 4 Acute Toxicity, Dermal: Category 5 Skin Sensitization: Category 1A Skin Corrosion/irritation: Category 1B Serious eye damage/irritation: Category 1 Reproductive toxicity: Category 2 Hazardous to the aquatic environment - acute: Category 1 Hazardous to the aquatic environment - chronic: Category 1
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GHS LABEL ELEMENTS

SYMBOLS:



SIGNAL WORDS: Danger

HAZARD STATEMENTS

- H302** Harmful if swallowed
- H315** Causes skin irritation
- H317** May cause an allergic skin reaction
- H314** Causes severe skin burns and eye damage
- H361** Suspected of damaging fertility or the unborn child
- H400** Very toxic to aquatic life
- H410** Very toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

- P201** Obtain special instructions before use.
- P202** Do not handle until all safety precautions have been read and understood.
- P260** Do not breathe dust or mist.
- P273** Avoid release to the environment.
- P280** Wear protective gloves/protective clothing/eye protection/face protection.
- P272** Contaminated work clothing should not be allowed out of the workplace.
- P270** Do not eat, drink or smoke when using this product.
- P264** Wash with plenty of water and soap thoroughly after handling.
- P308 + P313** IF exposed or concerned: 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 so. Continue rinsing.
- P303 + P361 + P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [shower].
- P310** Immediately call a POISON CENTER or doctor/physician.
- P304 + P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312** Call a POISON CENTER/doctor/...if you feel unwell.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P362 + P364 Take off contaminated clothing and wash before reuse.
P391 Collect spillage.
P405 Store locked up.
P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

OTHER HAZARDS KNOWN	None known
GHS SPECIAL LABELING	EUH205 Contains epoxy constituents. May produce a skin allergy.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CONTENT	CAS N°
Epoxy adduct	10-30%	Proprietary
Isophorone diamine	10-30%	2855-13-2
Benzyl alcohol	1-10%	100-51-6
4-nonylphenol, branched	10-30%	84852-15-3
Polyoxypropylene diamine	20-40%	9046-10-0

4 - FIRST AID MEASURES

EYE CONTACT	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
SKIN OR HAIR CONTACT	Take off immediately all contaminated clothing. Rinse skin with water/shower.
INGESTION	Rinse mouth. Do NOT induce vomiting.
INHALATION	Remove person to fresh air and keep comfortable for breathing.
MOST IMPORTANT SYMPTOMS AND EFFECTS (ACUTE AND DELAYED)	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result..
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
GENERAL INFORMATION	If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure the medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5 - FIREFIGHTING MEASURES

EXTINGUISHING MEDIA	Suitable extinguishing media: In case of fire: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂) Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this might spread the fire.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	During fire, gases hazardous to health may be formed
SPECIAL PROTECTIVE ACTIONS FOR FIREFIGHTERS	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep upwind. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillage cannot be contained. For personal protection, see section 8 of the SDS.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

LARGE SPILLS: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

SMALL SPILLS: Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13.

ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust or mist. Do not get in eyes, on skin, or on clothing. Do not get this material in contact with eyes. DO not taste or swallow. When using, do not eat, drink or smoke. Provide adequate ventilation. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store locked up. Store in original tightly closed container. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS (BIOLOGICAL LIMIT VALUES OR EXPOSURE LIMIT VALUES AND SOURCE OF THOSE VALUES)

CAS Proprietary	No exposure limits noted for the ingredient(s)
CAS 2855-13-2	No exposure limits noted for the ingredient(s)
CAS 100-51-6	No exposure limits noted for the ingredient(s)
CAS 84852-15-3	No exposure limits noted for the ingredient(s)
CAS 9046-10-0	No exposure limits noted for the ingredient(s)

ENGINEERING CONTROLS

Provide good local exhaust ventilation to control vapour/mist. Eye wash facilities and emergency showers must be available when handling this product.

PERSONAL PROTECTIVE EQUIPMENT

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator. Wear appropriate chemical resistant protective gloves. Wear tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists. Wear appropriate protective clothing. When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Eyewash fountains and safety showers are recommended in the work area.

9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / COLOR	Paste, Opaque color	VAPOUR PRESSURE	Not available
ODOR	Slight amine odour	SOLUBILITY	Partial
ODOR THRESHOLD	Not available	VAPOUR DENSITY	Not available
PH	Not available	SPECIFIC GRAVITY (RELATIVE DENSITY)	1.023 (g/ml)
MELTING POINT/FREEZING POINT	Not available	PARTITION COEFFICIENT OF N-OCTANOL/WATER	Not available
INITIAL BOILING POINT/ BOILING RANGES	Not available	AUTO IGNITION TEMPERATURE	Not available
FLASH POINT	> 199.4°F (93°C)	DECOMPOSITION TEMPERATURE	Not available
EVAPORATION RATE	Not available	VISCOSITY	275,000-300,000 cps
FLAMMABILITY(SOLID, GAS)	Not available	MOLECULAR WEIGHT	Not available
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	Not available	VOC	200.5 g/L

10 - STABILITY AND REACTIVITY

REACTIVITY	This product is stable and non-reactive under normal conditions of use, storage and transport.
CHEMICAL STABILITY	This product is stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS	This product will polymerize if mixed with an epoxy resin. Considerable heat can evolve.
CONDITIONS TO AVOID	Avoid temperatures exceeding the flash point. Epoxy resins under uncontrolled conditions.
INCOMPATIBLE MATERIALS	Strong oxidizing agents and acids.
HAZARDOUS DECOMPOSITION PRODUCTS	Unknown.

11 - TOXICOLOGICAL INFORMATION

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE	Inhalation, ingestion, skin and eye contact: May be harmful if inhaled. Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. Causes severe skin burns. Causes serious eye damage.
SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:	Contains ingredients which are extremely destructive to tissues of the mucous membranes and upper respiratory tract, eyes, and skin. Burning pain and severe corrosive skin damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing, shortness of breath, headaches, and nausea.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE

SKIN SENSITIZATION	Sensitization after skin contact possible
RESPIRATORY SENSITIZATION	No data available
GERM CELL MUTAGENICITY	No data available
CARCINOGENICITY	No ingredient listed by IARC, ACGIH, NTP or OSHA
REPRODUCTIVE TOXICITY	Suspected of damaging fertility or the unborn child
STO TOXICITY — SINGLE EXPOSURE	No data available
STO TOXICITY — REPEATED EXPOSURE	No data available
ASPIRATION HAZARD	Possible
HEALTH HAZARDS NOT OTHERWISE CLASSIFIED	No data available

Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀):

CAS Proprietary	No data available
CAS 2855-13-2	LD ₅₀ Oral - Rat 1030 mg/kg
CAS 100-51-6	LD ₅₀ Oral - Rat 1360 mg/kg
CAS 84852-15-3	LD ₅₀ Oral- Rat - 1300 mg/kg LD ₅₀ Dermal- Rabbit - 3160 mg/kg
CAS 9046-10-0	LD ₅₀ Oral- Rat - 2885.3 mg/kg LD ₅₀ Inhalation - Rat - 8h > 0.74 mg/l LD ₅₀ Dermal- Rabbit - 2980 mg/kg

12 - ECOLOGICAL INFORMATION

ECOTOXICITY Very toxic to aquatic life with long lasting effects.

PRODUCT	SPECIES	RESULT
CAS Proprietary	No data available	No data available
CAS 2855-13-2	LC ₅₀ Leuciscus idus (ide) EC ₅₀ Daphnia magna EC ₅₀ Chaetogammarus marinus	110 mg/l - 96 h 23 mg/l - 48 h 388 mg/l - 48 h
CAS 100-51-6	LC ₅₀ Pimephales promelas (fathead minnow) LC ₅₀ Lepomis macrochirus (bluegill) LC ₅₀ Menidia peninsulae (silverside minnow)	460 mg/l - 96 h 10 mg/l - 96 h 32 mg/l - 96 h
CAS 84852-15-3	LC ₅₀ Lepomis macrochirus (bluegill) LC ₅₀ Pimephales promelas (fathead minnow) LC ₅₀ Pleuronectes americanus (winter flounder) EC ₅₀ Mulinia lateralis (Clam)	0.1351 mg/l - 96 h 0.1383 mg/l - 96 h 0.017 mg/l - 96 h 0.0379 mg/l - 48 h
CAS 9046-10-0	LC ₅₀ Oncorhynchus mykiss (rainbow trout) EC ₅₀ Daphnia	15 mg/l - 96 h 80 mg/l - 48 h
PERSISTENCE AND DEGRADABILITY	Not readily biodegradable.	
BIOACCUMULATIVE POTENTIAL	No data available.	
MOBILITY IN SOIL	Adsorption to solid soil phase is possible for some ingredients but not enough data is available for the mixture.	
OTHER ADVERSE EFFECTS	No data available.	

13 - DISPOSAL CONSIDERATIONS

Information on safe handling for disposal/methods of disposal/contaminated packaging:

Dispose of contents/container into safe container in accordance with local, regional or national regulations.

14 - TRANSPORT INFORMATION

UN Number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations:

UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (isophorone diamine, 4-nonylphenol, branched); CLASS 8; PG III

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime):

UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (isophorone diamine, 4-nonylphenol, branched); CLASS 8; PG III

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air):

UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (isophorone diamine, 4-nonylphenol, branched); CLASS 8; PG III

Special Precautions (transport/conveyance): None

Environmental hazards (IMDG or other): Marine Pollutant

Bulk transport (usually more than 450L in capacity): Possible

15 - REGULATORY INFORMATION

Safety/health Canadian regulations specifics: Refer to section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

Environmental Canadian regulations specifics: Refer to section 3 for ingredient(s) of the DSL.

Safety/health/environmental outside regulations specifics: None

16 - OTHER INFORMATION

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