

PE-CF PART A SAFETY DATA SHEET

1 - IDENTIFICATION

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

2 - HAZARDS IDENTIFICATION

SGH CLASSIFICATION	Skin Sensitization: Category 1B Skin Corrosion/irritation: Category 2 Serious eye damage/irritation: Category 2A Acute Toxicity, Oral: Category 5 Hazardous to the aquatic environment - acute: Category 2 Hazardous to the aquatic environment - chronic: Category 2
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GHS LABEL ELEMENTS	SYMBOLS: 	SIGNAL WORDS: Warning
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HAZARD STATEMENTS	H303 May be harmful if swallowed H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H401 Toxic to aquatic life H411 Toxic to aquatic life with long lasting effects
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PRECAUTIONARY STATEMENTS

- P261** Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264** Wash with plenty of water and soap thoroughly after handling.
- P272** Contaminated work clothing should not be allowed out of the workplace.
- P280** Wear protective gloves/eye protection.
- 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.
- P337 + P313** If eye irritation persists: Get medical advice/attention.
- P302 + P352** IF ON SKIN: Wash with plenty of water.
- P333 + P313** If skin irritation or rash occurs: Get medical advice/attention.
- P312** IF SWALLOWED: Call a POISON Center/doctor/...if you feel unwell.
- P362 + P364** Take off contaminated clothing and wash before reuse.
- P273** Avoid release to the environment.
- P391** Collect spillage.
- 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. See information supplied by the manufacture.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CONTENT	CAS N°
Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin	60-100%	25085-99-8
Alkyl glycidyl ether	1-10%	68609-97-2
Benzyl alcohol	1-10%	100-51-6

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. If eye irritation persists: Get medical advice/attention
SKIN CONTACT	Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention
INGESTION CONTACT	IF SWALLOWED: Call a POISON Center/doctor/...if you feel unwell.
MOST IMPORTANT SYMPTOMS AND EFFECTS (ACUTE AND DELAYED)	Prolonged or repeated contact may cause skin irritation with local redness. May cause eye irritation. Corneal injury is unlikely. Has caused allergic skin reactions in humans.
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	Provide general supportive measures and treat symptomatically.
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, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.
SPECIAL PROTECTIVE ACTIONS FOR FIREFIGHTERS	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing. Avoid contact with this material during fire-fighting operations. If contact is likely, change to full chemical resistant fire-fighting clothing with self-contained breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	Isolate area. Keep unnecessary and unprotected personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillage cannot be contained. For personal protection, see section 8 of the SDS.
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.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

LARGE SPILL : 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.

7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid use of electric band heaters. Avoid release to the environment. Observe good industrial hygiene practices.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in cool and dry, under well-ventilated conditions. Store away from incompatible materials (see Section 10 of the SDS). Keep container closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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

CAS 25085-99-8 For Workers: Acute - systemic effects
Dermal 8.330 mg/kg bw/day Inhalation 12.25 mg/m³
For Consumers: Acute - systemic effects
Dermal 3.571 mg/kg bw/day Inhalation 0.75 mg/m³
For Workers: Long-term - systemic effects
Dermal 8.330 mg/kg bw/day Inhalation 12.25 mg/m³
For Consumers: Long-term - systemic effects
Dermal 3.571 mg/kg bw/day Inhalation 0.75 mg/m³

CAS 68609-97-2 No exposure limits noted for the ingredient(s)

CAS 100-51-6 No exposure limits noted for the ingredient(s)

ENGINEERING CONTROLS

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines.

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, Creamy White Color	VAPOUR PRESSURE	Not available
ODOR	Odorless to mild	SOLUBILITY	Partial
ODOR THRESHOLD	Not available	VAPOUR DENSITY	Not available
PH	Not available	SPECIFIC GRAVITY (RELATIVE DENSITY)	1.160 (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	110,000 – 120,000 cps
FLAMMABILITY(SOLID, GAS)	Not available	MOLECULAR WEIGHT	Not available
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	Not available	VOC	47.9 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 amine. Considerable heat can evolve.
CONDITIONS TO AVOID	Avoid temperatures exceeding the flash point. Avoid unintended contact with amines.
INCOMPATIBLE MATERIALS	Strong oxidizers, strong alkalis, strong mineral acids, amines.
HAZARDOUS DECOMPOSITION PRODUCTS	Unknown.

11 - TOXICOLOGICAL INFORMATION

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE	Inhalation, ingestion, skin and eye contact: May be harmful if swallowed. May cause skin irritation. May cause an allergic skin reaction. May cause eye irritation
SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:	High airborne concentrations of vapors may cause irritation of the respiratory tract and mucous membranes. Symptoms may include stinging, itching, tearing, redness, swelling, and blurred vision.

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	No data available
STO TOXICITY — SINGLE EXPOSURE	No data available
STO TOXICITY — REPEATED EXPOSURE	No data available
ASPIRATION HAZARD	No data available
HEALTH HAZARDS NOT OTHERWISE CLASSIFIED	No data available

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

CAS 25085-99-8	LD ₅₀ , Oral - Rat >15000 mg/kg
	LD ₅₀ , Dermal - Rabbit 23000 mg/kg
CAS 68609-97-2	LD ₅₀ , Oral - Rat 17100 mg/kg
	LD ₅₀ , Dermal - Rabbit >4.5 mL/kg
CAS 100-51-6	LD ₅₀ , Oral - Rat 1360 mg/kg

12 - ECOLOGICAL INFORMATION

ECOTOXICITY Hazardous to the aquatic environment

PRODUCT	SPECIES	RESULT
CAS 25085-99-8	LC ₅₀ Oncorhynchus mykiss (rainbow trout) EC ₅₀ Daphnia magna (Water flea)	2 mg/l -96 h 1.8 mg/l - 48 h
CAS 68609-97-2	LC ₅₀ Fish LC ₅₀ Fish EC ₅₀ Invertebrates	> 1800 mg/l - 96 h > 5000 mg/l - 96 h 6.07-7.2 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
PERSISTENCE AND DEGRADABILITY	Not enough data available.	
BIOACCUMULATIVE POTENTIAL	Bioconcentration potential is moderate	
MOBILITY IN SOIL	Low potential for mobility in soil.	
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:

UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol-A-(epichlorhydrin) epoxy resin); CLASS 9; PG III

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

UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol-A-(epichlorhydrin) epoxy resin); CLASS 9; PG III

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

UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol-A-(epichlorhydrin) epoxy resin); CLASS 9; PG III

Special Precautions (transport/conveyance): May also be shipped as a LIMITED QUANTITY in accordance with TDG.

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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