

PE-CFFAST PART B

SAFETY DATA SHEET

1 - IDENTIFICATION

MANUFACTURER / SUPPLIER / DISTRIBUTER	PUREPOXY 301, rue Omer-DeSerres #105 Blainville QC J7C 0K2	PRODUCT NAME	PE-CFFAST PART B
PHONE	450-818-0626	RESTRICTION ON USE	Not available
EMERGENCY PHONE	613-996-6666 (CANUTEC 24H)	REVISION DATE	November 2019
RECOMMENDED USE			Epoxy Hardener, Crack Filler Fast Cure

2 - HAZARDS IDENTIFICATION

SGH CLASSIFICATION	Flammable Liquids: Category 4 Acute Toxicity, Oral: Category 4 Acute Toxicity, Dermal: Category 4 Skin Sensitization: Category 1 Respiratory Sensitization: Category 1 Skin Corrosion/irritation: Category 1B Serious eye damage/irritation: Category 1 Reproductive toxicity, Additional category lactation Reproductive toxicity, fertility: Category 2 Reproductive toxicity, unborn child: Category 1B Specific target organ toxicity - single exposure: Category 3 irritating to respiratory system 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

- H227** Combustible liquid
- H302** Harmful if swallowed
- H312** Harmful in contact with skin
- H317** May cause an allergic skin reaction
- H314** Causes severe skin burns and eye damage
- H334** May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335** May cause respiratory irritation
- H360** May cause harm to breast-fed children
- H361** May damage the unborn child. Suspected of damaging fertility
- 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.
- P210** Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P260** Do not breathe dust or mist.
- P263** Avoid contact during pregnancy/while nursing.
- P264** Wash with plenty of water and soap thoroughly after handling.

- P270** Do not eat, drink or smoke when 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.
- P273** Avoid release to the environment.
- P280** Wear protective gloves/protective clothing/eye protection/face protection.
- P284** Wear respiratory 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.
- P310** Immediately call a POISON CENTER or doctor/physician.
- P303 + P361 + P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P341 + P311** IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.
- P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P362 + P364** Take off contaminated clothing and wash before reuse.
- P370 + P378** In case of fire: Use water spray, dry powder, or foam for extinction.
- P233** Keep container tightly closed.
- 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	1 - 10%	Proprietary
Isophorone diamine	10 - 20%	2855-13-2
Benzyl alcohol	1 - 10%	100-51-6
4-nonylphenol, branched	10 - 20%	84852-15-3
Polyoxypropylene diamine	15 - 25%	9046-10-0
Amine curing agent	35 - 55%	Mixture

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	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.
MOST IMPORTANT SYMPTOMS AND EFFECTS (ACUTE AND DELAYED)	Burning pain and severe corrosive skin damage. Can burn mouth, throat, and stomach. Can cause severe irritation and burns to the respiratory tract. May cause an allergic respiratory reaction. 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.

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. Keep away from sources of ignition -No smoking. Take precautionary measures against static discharge.

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)
	CAS Mixture	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	Transparent liquid, Yellow	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)	1.050 (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	≥ 127.4°F (53°C)	DECOMPOSITION TEMPERATURE	Not available
EVAPORATION RATE	Not available	VISCOSITY	280000 - 300000 cps
FLAMMABILITY(SOLID, GAS)	Not available	MOLECULAR WEIGHT	Not available
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	Not available	VOC	Not established

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 cause an allergic skin reaction. Causes severe skin burns. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

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	Possible
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	Irritating to respiratory system
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 9046-10-0	LD ₅₀ , Oral- Rat - 2885.3 mg/kg
CAS 2855-13-2	LD ₅₀ , Oral - Rat 1030 mg/kg		LD ₅₀ , Inhalation - Rat - 8h > 0.74 mg/l
CAS 100-51-6	LD ₅₀ , Oral - Rat 1360 mg/kg		LD ₅₀ , Dermal- Rabbit - 2980 mg/kg
CAS 84852-15-3	LD ₅₀ , Oral- Rat - 1300 mg/kg	CAS Mixture	LD ₅₀ , Oral- Rat - 1657 mg/kg
	LD ₅₀ , Dermal- Rabbit - 3160 mg/kg		LD ₅₀ , Dermal- Rabbit - 1222 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)	110 mg/l - 96 h
	EC ₅₀ Daphnia magna	23 mg/l - 48 h
	EC ₅₀ Chaetogammarus marinus	388 mg/l - 48 h
CAS 100-51-6	LC ₅₀ Pimephales promelas (fathead minnow)	460 mg/l - 96 h
	LC ₅₀ Lepomis macrochirus (bluegill)	10 mg/l - 96 h
	LC ₅₀ Menidia peninsulae (silverside minnow)	32 mg/l - 96 h
CAS 84852-15-3	LC ₅₀ Lepomis macrochirus (bluegill)	0.1351 mg/l - 96 h
	LC ₅₀ Pimephales promelas (fathead minnow)	0.1383 mg/l - 96 h
	LC ₅₀ Pleuronectes americanus (winter flounder)	0.017 mg/l - 96 h
	EC ₅₀ Mulinia lateralis (Clam)	0.0379 mg/l - 48 h
CAS 9046-10-0	LC ₅₀ Oncorhynchus mykiss (rainbow trout)	15 mg/l - 96 h
	EC ₅₀ Daphnia	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 II

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 II

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 II

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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