

## Section. 1. Product and Company Identification

**Product Name:** URECO EPOXY - PART A (RESIN) GTC LV  
**Product Used:** PIGMENTED RESIN COMPONENT OF AN EPOXY FLOORING SYSTEM  
**Product Details:** Pigmented proprietary blend of Bisphenol A epoxy resin  
**Made by (Manufacturer):** PowerBlast Canada  
 3505 Le Corbusier  
 Laval, Québec H7L 4Z4  
 Tel: (450) 625-9344  
 Fax: (450) 625-2877

## Section. 2. Hazards Identification

### Classification of hazardous product (name of the category or subcategory of the hazard class)

Skin irritation (category 2)  
 Eye irritation (category 2A)  
 Skin sensitization (category 1B)  
 Hazardous to the aquatic environment - Chronic (Category 2)

### Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)



#### Warning

H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H317 May cause an allergic skin reaction.  
 H411 Toxic to aquatic life with long lasting effects.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash hands/nails/face thoroughly after handling.  
 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.  
 P302 + P352 IF ON SKIN: wash with plenty of water.  
 P333 + P313 IF SKIN irritation or rash occurs: Get medical attention.  
 P362 + P364 Take off contaminated clothing and wash it 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.  
 P337 + P313 IF eye irritation persists: Get medical attention.  
 P391 Collect spillage.  
 P405 Store locked up.  
 P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

<b>Other hazards known</b>	None
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**Section. 3. Composition/Information On Ingredients**

Hazardous ingredient	%	CAS number	Species	LD50 mg/kg
Epoxy resin reaction product Bisphenol A(epichlorohydrin)	50-90	25068-38-6	Rat (oral) Rabbit (dermal)	>5000 20,000
Alkyl (C12-C14) glycidyl ether	0-10	68609-97-2	Rat (oral) Rabbit Skin	>17,000 >4,000

**Section. 4. First Aid Measures**

<b>General Information:</b>	The actions below are those necessary for any chemical which does not have any special medical effects. Contaminated clothing should be removed and washed before being re-used.
<b>After Inhalation:</b>	Remove victim to fresh air – if not breathing, qualified personnel should administer artificial respiration. If conscious and coughing or other symptoms do not subside, seek medical attention.
<b>After Skin Contact:</b>	Wash immediately with plenty of water and pH neutral soap or mild detergent for at least 15 minutes. Remove contaminated clothing and wash prior to re-use. In case of persistent irritation, or if a rash develops, seek medical attention.
<b>After Eye Contact:</b>	Flush with plenty of water, holding eyes open. Seek medical attention promptly if there is any irritation.
<b>After Swallowing:</b>	Immediately rinse mouth out with water and seek medical attention. If this is not immediately available, drink one or two pints of water. Do not induce vomiting.
<b>Additional information:</b>	Inadvertent inhalation of vomited material may seriously damage the lungs. Avoid all situations which may allow dust to become airborne.
<b>Note to Physician:</b>	Symptomatic treatment and supportive therapy as indicated. Administer oxygen if necessary. Following severe exposure, the patient should be kept under medical review as needed.

**Section. 5. Fire-Fighting Measures**

<b>Boiling point:</b>	>200 °C
<b>Flash point:</b>	Not applicable non-flammable
<b>Auto Ignition point:</b>	Not applicable
<b>Upper flammable limit:</b>	Not available
<b>Lower flammable limit:</b>	Not available
<b>Explosion data</b>	
<b>Sensitivity to static discharge:</b>	Not Sensitive
<b>Sensitivity to impact:</b>	Not Sensitive
<b>Rate of burning:</b>	Not flammable
<b>Explosive power:</b>	Not expected
<b>Hazardous combustion products:</b>	None known
<b>T.D.G. flammability class:</b>	Not applicable
<b>Fire-Fighting Measures:</b>	Evacuate all persons to a safe area. Move non-burning materials, as feasible, to a safe location as soon as possible. Use water spray to cool fire-exposed containers. Firefighter should wear protective equipment as required.
<b>Suitable Extinguishing Agents:</b>	Water fog, alcohol foam, carbon dioxide or dry chemical.
<b>Unsuitable extinguishing agents:</b>	None
<b>Protective Equipment:</b>	Wear positive pressure self-contained breathing apparatus and protective firefighting clothing.

### Section 6. Accidental Release Measures

<b>Personal precautions:</b>	Keep unnecessary personnel away. Use suitable protective equipment.
<b>Personal precautions:</b>	Keep away from sources of ignition- No smoking. Avoid contact with skin, eyes and clothing or skin. Do not breathe vapors.
<b>Environmental precautions:</b>	Contain liquid to prevent contamination of soil, surface water or ground water. Flushing and water must be contained and prevented from entering into soil, waterways and groundwater. Large spills: contain with a dike.
<b>Leak/spills:</b>	Cover and soak up with a suitable absorbent material, such as: Sand. Collect dry material using a scoop. Avoid actions that cause dust to become airborne. Avoid inhalation of dust and contact with skin. Wear appropriate protective equipment as described above. The uses of wet or dry HEPA vacuum can be used to clean up dry powder. Do not dry sweep this product with brooms. Do not use compressed air to clean up product. Collect all material in a suitable container and properly label container. Dispose of according to applicable regulations.
<b>Waste disposal:</b>	In accordance with municipal, provincial and federal regulations, follow in-house company procedures.

### Section 7. Handling and Storage

<b>Handling procedures:</b>	Maintain good personal hygiene. Avoid skin and eye contact. Avoid breathing vapors of heated materials. Remove contaminated clothing and wash separately. Handle open containers with care, avoid splashing. Review section 8 for appropriate Personal Protective Equipment. Wash thoroughly after using, particularly before eating or smoking.
<b>Storage:</b>	Store in accordance with local regulations. Store in original containers in a dry cool place, away from incompatible materials (see section 10) and food and drink. Keep containers closed and sealed until ready for use.

### Section 8: Exposure Controls/Personal Protection

<b>Exposure limits:</b>	None established.
<b>Personal Protection:</b>	Prevention is essential in avoiding potential eye, skin and inhalation injury. Avoid contact with unhardened Epoxy resins. Where prolonged exposure to unhardened Epoxy resins might occur, wear impervious clothing and gloves to eliminate skin contact. Where exposure to heated resins is likely or unavoidable, use appropriate engineering controls to minimize vapors.
<b>Gloves/type:</b>	Impervious chemically resistant disposable gloves.
<b>Respiratory/type:</b>	For most situations no respiratory protection should be needed. However, if discomfort is experienced, use an approved air-purifying respirator. An organic vapor cartridge mask should be used in compliance with established company guidelines. In case of insufficient ventilation, wear similar suitable respiratory equipment.
<b>Eye/type:</b>	Wear splash-proof chemical goggles.
<b>Footwear/type:</b>	Safety boots per local regulations.
<b>Clothing/type:</b>	Use dust impervious clothing.
<b>Other/ type:</b>	Portable eyewash facility should be available on site and in close proximity. Move to another area and wash hands prior to smoking and consuming food.
<b>Ventilation requirements:</b>	Use local exhaust or general dilution ventilation to control exposure to within applicable limits.

### Section. 9. Physical and Chemical Properties

<b>Physical state:</b>	Coloured (various) thick liquid
<b>Odor:</b>	Characteristic epoxy
<b>Color:</b>	Various
<b>Vapor pressure:</b>	0.6 mmHg @ 70 °F Literature (alkyl glycidyl ether)
<b>Vapor Density:</b>	Not applicable
<b>Evaporation rate:</b>	Not applicable
<b>Volatiles by (%):</b>	0 %
<b>Solubility in water:</b>	None
<b>Specific gravity:</b>	1.10 to 1.20 (water = 1)
<b>Viscosity:</b>	1.10 to 1.20 Cps. Brookfield (dynamic) spindle #2, 15 rpm, 25°C
<b>Chemical stability:</b>	Product is stable.
<b>Hazardous polymerization:</b>	Will not occur.
<b>Compatibility with other substance:</b>	Acids, Bases. Oxidizing materials
<b>Reactivity, under which conditions:</b>	Contact with incompatible substances, elevated temperatures.
<b>Hazardous products of decomposition:</b>	Oxides of Carbon, (carbon dioxide, carbon monoxide, CxOy), Phenol

### Section 10. Stability and reactivity

#### Reactivity

Does not react under the recommended storage and handling conditions prescribed.

#### Chemical stability

Stable under the recommended storage and handling conditions prescribed.

#### Possibility of hazardous reactions

None known

#### Conditions to avoid (static discharge, shock or vibration)

None known

#### Incompatible materials

Oxidizing materials; etc.

#### Hazardous decomposition products

None known

### Section. 11. Toxicological information

<b>LD 50 Rat (oral):</b>	> 2,000 mg/kg
<b>LD 50 Rabbit (dermal):</b>	> 2,000 mg/kg
<b>Toxic effects on Humans:</b>	Skin: has caused allergic skin reactions when tested on Guinea pigs.
<b>Chronic effect on Humans:</b>	Based on available data, repeated exposures are not anticipated to cause significant adverse effects.
<b>Irritancy of material:</b>	See effects of acute exposure
<b>Sensitizing of material:</b>	Has caused allergic reactions in humans, did not causes allergenic skin when tested in mice.
<b>Carcinogenic effects:</b>	DGEBPA is not classified as a carcinogen after recent review by the (IARC) international Agency for Research on Cancer.
<b>Tetatology:</b>	No effects known, or reported.
<b>Mutagenicity:</b>	No effects known, or reported.
<b>Reproductive effects:</b>	No effects known, or reported.

### Section. 12. Ecological information

<b>Biodegradability:</b>	Not readily biodegradable, 12 % after 28 days
<b>Ecotoxicity data:</b>	Moderately toxic, 96 hours. LC50 1.1 mg/l (fish) 48 hours. EC 50 Daphnia 1-10 mg/l
<b>Products of degradation:</b>	No specific information available

### Section. 13. Disposal Considerations

**Waste disposal:** In accordance with municipal, provincial and federal regulations, follow in-house company procedures.

Made in Canada  
Manufactured by PowerBlast Canada 

### Section. 14. Transport information

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

Not regulated

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

UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin); CLASS 9; PG III

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

Not regulated

Special precautions (transport/conveyance) none

Environmental hazards (IMDG or other) Marine Pollutant

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

### Section. 15. Regulatory information

**California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)**

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels, which would require a warning under the statute.

**European Inventory of Existing Commercial Chemical Substances (EINECS)**

Components of this product are not listed on EINECS because they are polymers or "no-longer polymers" marketed before the enforcement of the 7th Amendment to Directive 67/548/EEC.

**US. Toxic Substances Control Act**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

**CEPA - Domestic Substances List (DSL)**

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

**Carcinogenicity: by IARC?** Yes ( ) No (X)

**Cancer Information:**

For the major component(s): Many studies have been conducted to assess the potential carcinogenicity of diglycidyl ether of bisphenol A (DGEBA). Indeed, the most recent review of the available data by the International Agency for Research on Cancer (IARC) has concluded that DGEBA is not classified as a carcinogen. Although some weak evidence of carcinogenicity has been reported in animals, when all of the data are considered, the weight of evidence does not show that DGEBA is carcinogenic.

### Section. 16. Other information

**Status under WHMIS:**

D2B – eye or skin irritant

D2B – skin sensitizer

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all of the information required by the Hazardous product regulations.

**Hazard Rating (N.F.P.A.):**

Health: 1 Fire: 0 Reactivity: 0 Specific: Not applicable

This N.F.P.A. rating is a recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association (N.F.P.A.). Prepared at PowerBlast Canada Regulatory Affairs 450.625.9344 April 03 2017

**NOTICE TO READER:**

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