

# Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

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## Blue 510 UXDV

### SECTION 1: Identification

#### Product identifier

**Product name:** Blue 510 UXDV

**Product code:** EPPGP10-BL

#### Recommended use of the product and restriction on use

**Relevant identified uses:** Not determined or not applicable.

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

#### Manufacturer or supplier details

**Manufacturer:**

**Canada**

EcoPoxy Inc

Box 220

Morris, Manitoba R0G1K0

855-326-7699

info@ecopoxy.com

http:www.ecopoxy.com

#### Emergency telephone number:

**ChemTel**

ChemTel Inc

+1 813 248 0585 (24)

### SECTION 2: Hazard identification

**GHS classification:** Not a hazardous substance or mixture

#### Label elements

**Hazard pictograms:** None

**Signal Word:** None

**Hazard statements:** None

**Precautionary statements:** None

**Hazards not otherwise classified:**

None

### SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 25791-96-2	Glycerol, propoxylated	60-80
CAS number: 147-14-8	29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	10-30

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CAS number: 13463-67-7	Titanium Dioxide	5-15
CAS number: 1333-86-4	Bounded Carbon Black	0.1-1

**Additional Information:** None

## SECTION 4: First-aid measures

### Description of first-aid measures

**General notes:**

Not determined or not available.

**After inhalation:**

Not determined or not available.

**After skin contact:**

Not determined or not available.

**After eye contact:**

Not determined or not available.

**After ingestion:**

Not determined or not available.

### Most important symptoms and effects, both acute and delayed

**Acute symptoms and effects:**

Not determined or not available.

**Delayed symptoms and effects:**

Not determined or not available.

### Immediate medical attention and special treatment

**Specific treatment:**

Not determined or not available.

**Notes for the doctor:**

Not determined or not available.

## SECTION 5: Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media:**

Not determined or not applicable.

**Unsuitable extinguishing media:**

Not determined or not applicable.

### Specific hazards during fire-fighting:

Not determined or not applicable.

### Special protective equipment for firefighters:

Not determined or not applicable.

### Special precautions:

Not determined or not applicable.

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## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Not determined or not applicable.

**Environmental precautions:**

Not determined or not applicable.

**Methods and material for containment and cleaning up:**

Not determined or not applicable.

**Reference to other sections:**

Not determined or not applicable.

## SECTION 7: Handling and storage

**Precautions for safe handling:**

Not determined or not applicable.

**Conditions for safe storage, including any incompatibilities:**

Not determined or not applicable.

## SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

**Occupational Exposure limit values:**

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Alberta	Titanium Dioxide	13463-67-7	8-Hour TWA: 10 mg/m <sup>3</sup>
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 3.5 mg/m <sup>3</sup>
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m <sup>3</sup> (Particulate Not Otherwise Regulated, respirable)
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 10 mg/m <sup>3</sup> (Particulate Not Otherwise Regulated, total)
British Columbia	Titanium Dioxide	13463-67-7	8-Hour TWA: 10 mg/m <sup>3</sup> (total dust)
	Titanium Dioxide	13463-67-7	8-Hour TWA: 3 mg/m <sup>3</sup> (respirable fraction)
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m <sup>3</sup> (inhalable)
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 10 mg/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, total dust)
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, respirable fraction)
Manitoba	Titanium Dioxide	13463-67-7	8-Hour TWA: 10 mg/m <sup>3</sup>
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m <sup>3</sup> (inhalable fraction)
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 10 mg/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, inhalable particles)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, respirable particles)
	29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	147-14-8	8-Hour TWA: 0.2 mg/m <sup>3</sup> (As Cu, Fumes)
	29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	147-14-8	8-Hour TWA: 1 mg/m <sup>3</sup> (As Cu, dusts and mists)
Ontario	Titanium Dioxide	13463-67-7	8-Hour TWA: 10 mg/m <sup>3</sup>
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m <sup>3</sup> (inhalable fraction)
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 10 mg/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, inhalable particles)
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, respirable particles)
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 10 mg/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, inhalable fraction)
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, respirable fraction)
Quebec	Titanium Dioxide	13463-67-7	8-Hour TWA: 10 mg/m <sup>3</sup> (total dust)
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m <sup>3</sup> (inhalable dust)
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 10 mg/m <sup>3</sup> (dust not otherwise classified (PNCA), total dust)
Saskatchewan	Titanium Dioxide	13463-67-7	8-Hour TWA: 10 mg/m <sup>3</sup>
	Titanium Dioxide	13463-67-7	15-Minute STEL: 20 mg/m <sup>3</sup>
	Bounded Carbon Black	1333-86-4	8-Hour Contamination Limit: 3.5 mg/m <sup>3</sup>
	Bounded Carbon Black	1333-86-4	15-Minute Contamination Limit: 7 mg/m <sup>3</sup>
	Bounded Carbon Black	1333-86-4	8-Hour Contamination Limit: 10 mg/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, inhalable fraction)
	Bounded Carbon Black	1333-86-4	15-Minute Contamination Limit: 20 mg/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, inhalable fraction)
	Bounded Carbon Black	1333-86-4	8-Hour Contamination Limit: 3 mg/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, respirable fraction)
	Bounded Carbon Black	1333-86-4	15-Minute Contamination Limit: 6 mg/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, respirable fraction)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
New Brunswick	Bounded Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, respirable particles)
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 10 ng/m <sup>3</sup> (Particles [insoluble or poorly soluble] not otherwise specified, inhalable particles)
	Bounded Carbon Black	1333-86-4	8-Hour TWA: 3.5 mg/m <sup>3</sup>

### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Information on monitoring procedures:

Not determined or not applicable.

### Appropriate engineering controls:

Not determined or not applicable.

### Personal protection equipment

#### Eye and face protection:

Not determined or not applicable.

#### Skin and body protection:

Not determined or not applicable.

#### Respiratory protection:

Not determined or not applicable.

### General hygienic measures:

Not determined or not applicable.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance (physical state, color):</b>	Blue liquid
<b>Odor:</b>	Mild
<b>Odor threshold:</b>	Not Determined
<b>pH-value:</b>	Approx 6
<b>Melting/Freezing point:</b>	Undetermined
<b>Boiling point/range:</b>	>199°C (>390°F)
<b>Flash point:</b>	204°C (399.2°F)
<b>Evaporation rate:</b>	Not Determined
<b>Flammability (solid, gaseous):</b>	Not Determined
<b>Explosion limit upper:</b>	Not Determined
<b>Explosion limit lower:</b>	Not Determined
<b>Vapor pressure:</b>	<0.0013 hPa (<0mm Hg) (<0.001 mm Hg)
<b>Vapor density:</b>	Not Determined
<b>Density:</b>	1.11 g/cm <sup>3</sup> (9.26 lbs/gal)

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<b>Relative density:</b>	Not Determined
<b>Solubilities:</b>	Slightly soluble in water
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>Auto/Self-ignition temperature:</b>	Not Determined
<b>Decomposition temperature:</b>	Not Determined
<b>Dynamic viscosity:</b>	5,800 + 1,750 cP
<b>Kinematic viscosity:</b>	Not Determined
<b>Explosive properties</b>	Product does not present an explosion hazard
<b>Oxidizing properties</b>	Non-oxidizing

## SECTION 10: Stability and reactivity

### Reactivity:

Does not react under normal conditions of use and storage.

### Chemical stability:

Stable under normal conditions of use and storage.

### Possibility of hazardous reactions:

None under normal conditions of use and storage.

### Conditions to avoid:

None known.

### Incompatible materials:

None known.

### Hazardous decomposition products:

None known.

## SECTION 11: Toxicological information

### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

### Substance data:

Name	Route	Result
Titanium Dioxide	oral	LD50 Mouse: > 5000 mg/kg
	inhalation	LC50 Rat: 5.09 mg/L (4 hr)
Bounded Carbon Black	oral	LD50 Rat: > 2000 mg/kg
	dermal	LD50 Rabbit: >3000 mg/kg
29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	oral	LD50 Rat: >6400 mg/kg
	dermal	LD50 Rat: >5000 mg/kg

### Skin corrosion/irritation

**Assessment:** Based on available data, the classification criteria are not met.

### Product data:

No data available.

**Substance data:** No data available.

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### Serious eye damage/irritation

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Respiratory or skin sensitization

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Species	Result
Titanium Dioxide	Not applicable.	Airborne, unbound particles of respirable size are known to cause cancer.
Bounded Carbon Black	Not applicable.	The carcinogenic classification only applies to airborne, unbound particles of respirable size.

### International Agency for Research on Cancer (IARC):

Name	Classification
Titanium Dioxide	Group 2B
Bounded Carbon Black	Group 2B
Glycerol, propoxylated	Not Applicable
29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	Not Applicable

### National Toxicology Program (NTP):

Name	Classification
Titanium Dioxide	Not Applicable
Bounded Carbon Black	Not Applicable
Glycerol, propoxylated	Not Applicable
29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	Not Applicable

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (single exposure)

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**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Information on likely routes of exposure:

No data available.

### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

### Other information:

No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Bounded Carbon Black	Fish LC50 Danio rerio: > 1000 mg/L (96 hr)
	Aquatic Plants EC50 Desmodosmus subspicatus: > 10,000 mg/L (72 hr)
Glycerol, propoxylated	Fish LC50 Leuciscus idus: >1000 mg/L (96 hours)
	Aquatic Invertebrates EC50 Daphnia magna: >100 mg/L (48 hours)

### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Persistence and degradability

**Product data:** No data available.

**Substance data:**

Name	Result
Titanium Dioxide	Degradation/biodegradation testing is not relevant for metals and metal compounds that are not (bio)degradable, including titanium dioxide.
Bounded Carbon Black	Bulk forms of carbon black are not biodegraded by microorganisms.
Glycerol, propoxylated	The substance is not readily biodegradable (30-40% degradation after 28 days, no further degradation even after 40 days).



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Name	Result
29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	The substance is not readily biodegradable (<1% degradation in 28 days).

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:**

Name	Result
Bounded Carbon Black	Bioaccumulation is not expected to occur.

### Mobility in soil

**Product data:** No data available.

**Substance data:**

Name	Result
Glycerol, propoxylated	Koc at 20°C: 10

### Results of PBT and vPvB assessment

**Product data:**

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

**Substance data:**

**PBT assessment:**

Bounded Carbon Black	The substance is not PBT.
Glycerol, propoxylated	The substance is not PBT.
29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	The substance is not PBT.

**vPvB assessment:**

Bounded Carbon Black	The substance is not vPvB.
Glycerol, propoxylated	The substance is not vPvB.
29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	The substance is not vPvB.

**Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

**Disposal methods:**

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

**Contaminated packages:**

Not determined or not applicable.

## SECTION 14: Transport information

**Canadian Transportation of Dangerous Goods (TDG)**

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None

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<b>Packing group</b>	None
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

### International Maritime Dangerous Goods (IMDG)

<b>UN number</b>	Not regulated
<b>UN proper shipping name</b>	Not regulated
<b>UN transport hazard class(es)</b>	None
<b>Packing group</b>	None
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

<b>UN number</b>	Not regulated
<b>UN proper shipping name</b>	Not regulated
<b>UN transport hazard class(es)</b>	None
<b>Packing group</b>	None
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

<b>Bulk Name</b>	None
<b>Ship type</b>	None
<b>Pollution category</b>	None

## SECTION 15: Regulatory information

### Canada regulations

**Domestic substances list (DSL):** All ingredients are listed or exempt.

**Non-domestic substances list (NDSL):** None of the ingredients are listed.

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

### Disclaimer:

This product has been classified in accordance with the Canadian Hazardous Products Regulations and WHMIS 2015. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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