

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.07.2020

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## FlowCast Part B

### SECTION 1: Identification

#### Product identifier

**Product name:** FlowCast Part B

**Product code:** EPFLH10

#### 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 R0G1K0Largo , Florida 33773

855-326-7699

info@ecopoxy.com

http://www.ecopoxy.com

##### Supplier:

##### United States

EcoPoxy USA, Inc

7003 114th Ave. N.

Morris, Manitoba R0G1K0Largo , Florida 33773

1-855-326-7699

info@ecopoxy.com

http://www.ecopoxy.com

#### Emergency telephone number:

##### United States

ChemTel Inc (US)

+1 800 255 3924 (24)

### SECTION 2: Hazard(s) identification

#### GHS classification:

Serious eye damage, category 1

#### Label elements

##### Hazard pictograms:



**Signal word:** Danger

#### Hazard statements:

H318 Causes serious eye damage

#### Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 Immediately call a POISON CENTER/doctor/...

**Hazards not otherwise classified:** None

### SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
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CAS number: 39423-51-3	Propylidynetrimehanol, propoxylated, reaction products with ammonia	>54
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**Additional Information:** None

## SECTION 4: First aid measures

### Description of first aid measures

#### General notes:

Show this Safety Data Sheet to the doctor in attendance.

#### After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

#### After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

#### After eye contact:

Immediately rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. Seek immediate medical attention, preferably from an ophthalmologist.

#### After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

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

#### Acute symptoms and effects:

Eye contact may result in irritation, redness, pain, inflammation, itching, burning, tearing, corneal damage and loss of vision.

#### Delayed symptoms and effects:

Effects are dependent on exposure (dose, concentration, contact time).

### Immediate medical attention and special treatment

#### Specific treatment:

In case of eye contact, seek prompt medical attention while rinsing is continued.

#### Notes for the doctor:

Treat symptomatically.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

#### Unsuitable extinguishing media:

Do not use water jet.

### Specific hazards during fire-fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

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### Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA with a full-face piece operated in positive pressure mode).

### Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

## SECTION 6: Accidental release measures

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

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

### Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

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

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

### Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13.

## SECTION 7: Handling and storage

### Precautions for safe handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Do not get in eyes. Avoid contact with skin and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

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

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

## SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

### Occupational Exposure limit values:

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

### Biological limit values:

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

### Information on monitoring procedures:

Not determined or not applicable.

### Appropriate engineering controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts

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below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

### Personal protection equipment

#### Eye and face protection:

Use safety glasses with side shields or goggles. Consider the use of a face shield for splash protection. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

#### Skin and body protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Full body protection should be worn. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

### General hygienic measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Odor</b>	Ammoniacal
<b>Odor threshold</b>	Not Available
<b>pH</b>	11.6
<b>Melting point/freezing point</b>	<-20 C
<b>Initial boiling point/range</b>	Not Available
<b>Flash point (closed cup)</b>	218.5 °C Method: closed cup
<b>Evaporation rate</b>	Not Available
<b>Flammability (solid, gas)</b>	Not Available
<b>Upper flammability/explosive limit</b>	Not Available
<b>Lower flammability/explosive limit</b>	Not Available
<b>Vapor pressure</b>	6.82 hPa (20 °C)
<b>Vapor density</b>	1
<b>Density</b>	0.9658 g/cm <sup>3</sup> (20 °C)
<b>Relative density</b>	Not Available
<b>Solubilities</b>	Water: 562 g/l (20 °C)

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<b>Partition coefficient (n-octanol/water)</b>	log Pow: -1.13 (20 - 25 °C) pH: 12.7 Method: Partition coefficient
<b>Auto/Self-ignition temperature</b>	320 °C
<b>Decomposition temperature</b>	236 °C
<b>Dynamic viscosity</b>	Not Available
<b>Kinematic viscosity</b>	110 mm <sup>2</sup> /s
<b>Explosive properties</b>	Not Available
<b>Oxidizing properties</b>	None. Method: Directive 67/548/EEC, Annex V, A.21

### Other information

#### 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:

Incompatible materials.

##### Incompatible materials:

Strong oxidizing agents.

##### Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

#### 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
Propylidynetrimethanol, propoxylated, reaction products with ammonia	oral	LD50 Rat: 550 mg/kg
	dermal	LD50 Rat: > 1000 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.

##### Serious eye damage/irritation

##### Assessment:

Causes serious eye damage.

##### Product data:

No data available.

##### Substance data:

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Name	Result
Propylidyntrimethanol, propoxylated, reaction products with ammonia	Causes serious eye damage

### 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:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

**OSHA Carcinogens:** 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)

**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.

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### 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
Propylidynetrimethanol, propoxylated, reaction products with ammonia	EC50 Pseudokirchnerella subcapitata: 4.4 mg/L (72 hr)
	LC50 Pseudokirchnerella subcapitata: 4.4 mg/L (72 hr)
	EC50 Daphnia magna: 13 mg/L (48 hr)
	LC50 Oncorhynchus mykiss: 100 mg/L (96 hr)

#### 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
Propylidynetrimethanol, propoxylated, reaction products with ammonia	Not readily biodegradable.

#### Bioaccumulative potential

**Product data:** No data available.

#### Substance data:

Name	Result
Propylidynetrimethanol, propoxylated, reaction products with ammonia	Due to the low log Pow bioaccumulation in organisms is not to be expected.

#### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

#### 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:** 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.

**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:

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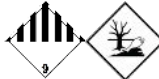
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## FlowCast Part B


Not determined or not applicable.

### SECTION 14: Transport information


#### United States Transportation of dangerous goods (49 CFR DOT)

UN number	3082
UN proper shipping name	Environmentally hazardous substances, liquid, N.O.S. (TRIMETHYLOLPROPANE POLYOXYPROPYLENE TRIAMINE)
UN transport hazard class(es)	9 
Packing group	III
Environmental hazards	Marine Pollutant (TRIMETHYLOLPROPANE POLYOXYPROPYLENE TRIAMINE)
Special precautions for user	None

#### International Maritime Dangerous Goods (IMDG)

UN number	3082
UN proper shipping name	Environmentally hazardous substances, liquid, N.O.S. (TRIMETHYLOLPROPANE POLYOXYPROPYLENE TRIAMINE)
UN transport hazard class(es)	9 
Packing group	III
Environmental hazards	Marine Pollutant (TRIMETHYLOLPROPANE POLYOXYPROPYLENE TRIAMINE)
Special precautions for user	None
EmS number	F-A, S-F

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

UN number	3082
UN proper shipping name	Environmentally hazardous substances, liquid, N.O.S. (TRIMETHYLOLPROPANE POLYOXYPROPYLENE TRIAMINE)
UN transport hazard class(es)	9 
Packing group	III
Environmental hazards	Marine Pollutant
Special precautions for user	None
Passenger and cargo	964
Cargo aircraft only	964

### SECTION 15: Regulatory information

#### United States regulations

##### Inventory listing (TSCA):

39423-51-3	Propylidynetrimehanol, propoxylated, reaction products with ammonia	Listed
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**Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.

**Export notification under TSCA Section 12(b):** None of the ingredients are listed.

**SARA Section 302 extremely hazardous substances:** None of the ingredients are listed.

**SARA Section 313 toxic chemicals:** None of the ingredients are listed.

**CERCLA:** None of the ingredients are listed.

**RCRA:** None of the ingredients are listed.

**Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

### Massachusetts Right to Know:

39423-51-3	Propylidynetrimethanol, propoxylated, reaction products with ammonia	Not Listed
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### New Jersey Right to Know:

39423-51-3	Propylidynetrimethanol, propoxylated, reaction products with ammonia	Not Listed
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### New York Right to Know:

39423-51-3	Propylidynetrimethanol, propoxylated, reaction products with ammonia	Not Listed
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### Pennsylvania Right to Know:

39423-51-3	Propylidynetrimethanol, propoxylated, reaction products with ammonia	Not Listed
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**California Proposition 65:** None of the ingredients are listed.

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

### Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. 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.

**NFPA:** 0-0-0

**HMIS:** 0-0-0

**Initial preparation date:** 04.07.2020

**End of Safety Data Sheet**