



Safety Data Sheet EcoFlo® GREEN

Revision date: January 2, 2020

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: EcoFlo® GREEN
Synonyms: None
Chemical family: Mid-Range Water-Reducing Concrete Admixture
Producer: Premiere Concrete Admixtures
508 Cedar Street
Pioneer, Ohio 43554
www.premiereadmix.com

Telephone: 419-737-9808 Available during normal business hours

Emergency: CHEMTREC 800-424-9300 Available 24 hours

Section 2. HAZARDS IDENTIFICATION

GHS Hazard Classification and Label Elements

WARNING — Eye damage/ irritation (*category 2A*)

WARNING — Skin corrosion/ irritation (*category 3*)



(Warning)

Hazard Statements

H320 Causes serious eye irritation

H316 Causes mild skin irritation

Precautionary Statements

P202 Do not handle until all safety precautions have been read and understood.

P308+P313 If exposed or concerned, get medical advice.

IF IN EYES, P305+P313+P338+P351: Remove contact lenses if present and easy to do so, wash cautiously with water for several minutes. If eye or skin irritation persists – get medical advice/attention, continue rinsing.

P264 +P332+P313 Wash skin thoroughly after handling. If skin irritation occurs, get medical advice/attention.

P280 Wear protective gloves, protective clothing, eye and face protection (see Section 8)

P405 Store locked up.

Hazards not otherwise classified or not covered by GHS

Inhalation: At room temperature, inhalation of airborne vapor is unlikely due to physical properties of the product.

Ingestion: Small amounts ingested incidental to industrial handling are not expected to cause injury.

Skin: Prolonged or repeated skin contact tends to remove skin oils, possibly leading to irritation and dermatitis.

Sensitization: Not applicable

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Material information: (Does not include non-GHS regulated ingredients)

Name	CAS No.	Weight %
Methacrylic acid copolymer	Proprietary**	Less than 25%
Trihydroxyethylamine	102-71-6	Less than 10%

***Note:** The above weight percentages are represented in ranges as estimates. Due to variation among production batches, component percentages may vary.

****** The specific chemical identity is being withheld as a trade secret.

Section 4. FIRST AID MEASURES

Inhalation: Move exposed persons to fresh air. If the person is not breathing or breathing is irregular, provide artificial respiration or oxygen by trained personnel. Seek medical attention.

Skin contact: Quickly remove contaminated clothing and shoes. Wash affected skin with soap and water. Wash contaminated clothing before reuse. If symptoms occur, seek medical attention.

Ingestion: Do not induce vomiting unless instructed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Eye contact: Check for and remove any contact lenses. Flushing eyes with tepid water lifting upper and lower lids occasionally for 15 minutes. If irritation persists, seek medical attention.

Section 5. FIREFIGHTING MEASURES

Suitable extinguishing media:

The product is not combustible. Use extinguishing media suitable for the surrounding fire.

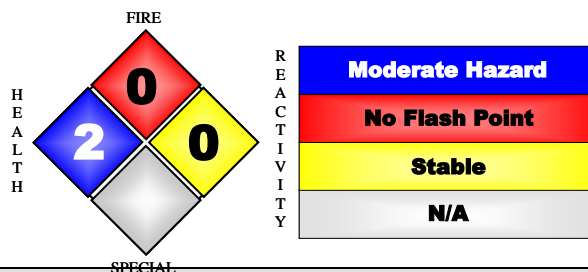
Specific hazards:

None

Special protective equipment for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

	NFPA rating:	HMIS rating:
Health:	2	2*
Flammability:	0	0
Instability/reactivity:	0	0
Other:	N/A	C (PPE)



Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Immediately contact emergency personnel. Evacuate any potentially affected area and isolate personnel from entry. Ensure adequate ventilation.

Large Spill: Personnel must have appropriate training, per Occupational Safety and Health Administration (OSHA) 29 CFR 1910.120. Prevent material from entering drains, surface water, sanitary sewers, etc., by the use of dikes, absorbent materials and booms.

Methods for Containment and Clean up	Avoid creating or breathing mist. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Contain the spilled material with dykes. Vacuum up spilled material or use absorbent media. Remove spilled material to storage for proper disposal.
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Section 7. HANDLING AND STORAGE

Handling:	No special handling required.
Storage:	Keep from freezing. Store in a dry, well-ventilated place. The average shelf life is 18 months.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Name	CAS No.	Exposure Limits TWA ^A		
		ACGIH® TLV®	Federal OSHA PELs	OSHA PELs 1989 ^C
Methacrylic acid copolymer ^A	Proprietary ^B	Not Established	Not Established	Not Established
Trihydroxyethylamine	102-71-6	5 mg/m ³	Not Established	Not Established

^A All exposure limits listed are 8-hour time weighted average (TWA) — except where noted otherwise.

^B The specific chemical identity is being withheld as a trade secret.

^C Federal OSHA 1989 PELs were vacated but are in use and enforced by many state OSHA plans.

Engineering measures: General ventilation is acceptable.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: When engineering controls are not sufficient to reduce exposure to prevent irritation or other symptoms, seek professional advice prior to respirator selection and use. A properly fitted NIOSH/ MSHA-approved respirator is recommended.

Skin and body protection: Handle with butyl-rubber gloves for full contact. Choose body protection according to the amount and concentration of liquid splash or skin contact created.

Eye protection: Wear safety glasses with unperforated sideshields, and face shield.

Hygiene measures: Avoid repeated or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities.

Other precautions: None

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Green liquid
Physical state (solid/liquid/gas):	Liquid
Substance type (pure/mixture):	Mixture
Color:	Green
Odor:	Musty
Molecular weight:	Not available
pH:	3.0 – 7.0
Boiling point/range (5-95%):	212°F, 100°C
Melting point/range:	32°F, 0°C
Decomposition temperature:	Not available
Specific gravity:	1.035 to 1.075

Vapor density:	Not available
Vapor pressure:	Not available
Evaporation rate (Butyl acetate= 1):	Not available
Flash point, method used:	Not applicable – material is non-flammable
Water solubility:	100 %
VOC Content:	0 %
Auto-ignition temperature:	Material is not self-igniting
Flammable limits in air — lower (%):	Not applicable
Flammable limits in air — upper (%):	Not applicable

Section 10. STABILITY AND REACTIVITY

Reactivity:	No data available
Stability:	The material is stable and not sensitive to mechanical impact.
Possibly hazardous reactions:	None known
Conditions to avoid:	None known
Incompatible Materials:	Strong mineral acids
Hazardous decomposition products:	(After water has evaporated) Oxides of carbon, nitrogen, sulfur
Polymerization:	Will not occur.

Section 11. TOXICOLOGICAL INFORMATION

Acute toxicity: No toxicity data is available for the product as a mixture. The following component data is provided.

Product information:

Name	CAS No.	Inhalation:	Dermal:	Oral:
Methacrylic acid copolymer ^A	Proprietary ^A	Not available	Not available	Not available
Trihydroxyethylamine	102-71-6	Not available	LD ₅₀ (Rabbit) >2,000 mg/kg	LD ₅₀ (Rat) 6,400 mg/kg

^A The specific chemical identity is being withheld as a trade secret.

Chronic toxicity: Not Known

Carcinogenicity: Rat – oral; Tumorigenic: Neoplastic by RTECS criteria. Kidney, Bladder tumors
Mouse – oral; Neoplastic by RTECS criteria. Liver tumors

Sensitization: Not known to cause sensitization in humans.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity effects: Methacrylic acid

LC₅₀ – Oncorhynchus mykiss (rainbow trout) >85 mg/liter – 96 hour

EC₅₀ - Daphnia magna (water flea) 130 mg/liter – 48 hour

Bioaccumulative

Potential: No data available.

Persistence and Methacrylic acid

degradability: Aerobic exposure time 28 days: >86%; OECD 301B test

Mobility in Soil: No data available.

Section 13. DISPOSAL CONSIDERATIONS

Disposal considerations: The generation of waste should be avoided or minimized whenever possible. Recycle if possible. P501 Dispose in accordance with state/provincial, and local regulations.

Section 14. TRANSPORT INFORMATION

Please refer to DOT regulation 49 CFR 172.101:

Transport information: Not regulated for transport
Hazardous Materials Description: (DOT and IATA): None
UN/identification no.: None
Proper shipping name: None
Hazard class: None
Packing group: None
DOT reportable quantity (lbs.): None

Section 15. REGULATORY INFORMATION

U.S. federal regulatory information:

State and community right-to-know regulations:

The following component(s) of this material are identified on the regulatory lists below:

U.S. TSCA Chemical inventory Section 8(b), AICS (Australia), DSL (Canada): All components are listed or exempt.

OSHA — This product is determined to be hazardous as defined in the OSHA Hazard Communications Standard.

CERCLA Sections 102a/103 (40 FR 302.4):

This product is not classified as hazardous or reportable under this requirement.

Some Components of this product are listed in the following sections of **SARA**:

SARA Title III Section 302 — Not applicable

SARA Title III Section 304 — Not applicable

SARA Title III Section 313 — This product does not contain any chemical components with known CAS numbers that exceed the threshold (DE Minimis) reporting levels.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21)

Acute health hazard: Yes

Chronic health hazard: No

Fire hazard: No

Reactive Hazard: No

Pressure Hazard: No

Marine Pollutant: Not listed

State Regulations: Methacrylic acid are a state right to know component in PA, MA, and NJ

California Proposition 65 Components: Not available

INTERNATIONAL REGULATIONS

Identification According to EEC Directives: Not available

WHMIS (Canada)

Not controlled.

NOTE: User must consult with applicable state and local agencies for special specifics, determinations or compliance obligations regarding this product.

Section 16. OTHER INFORMATION

The information and recommendations contained herein are based upon tests, data, and information resources believed to be reliable. However, Premiere Concrete Admixtures (Premiere) does not guarantee the accuracy or completeness, nor shall any of this information constitute a warranty, representation, or license of any kind, whether expressed or implied, as to the safety of goods, the merchantability of the goods or the fitness of the goods for a particular purpose. Premiere assumes no responsibility for injuries proximately caused by use of the Materials if reasonable safety procedures are not followed as stipulated in this Safety Data Sheet. Additionally, Premiere assumes no responsibility for injuries proximately caused by abnormal use of the Material even if reasonable safety procedures are followed. The buyer assumes the risk in its use of the Material.