



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name	TERRAGREEN ZF ENVIRONMENTAL FINISH
Product number	361001 / 361051
Company information	Brulin & Company, Inc. P.O. Box 270 Indianapolis, IN 46206 US www.Brulin.com
Emergency	CHEMTREC 1-800-424-9300
General information	Phone: 317-923-3211 Fax: 317-925-4596

2. Hazards Identification

Emergency overview Irritating to skin. Irritating to eyes. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Prolonged exposure may cause chronic effects.

Potential health effects

Eyes	Health injuries are not known or expected under normal use. Contact with eyes may cause irritation. Avoid contact with eyes.
Skin	Health injuries are not known or expected under normal use. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.
Inhalation	Health injuries are not known or expected under normal use.
Ingestion	Health injuries are not known or expected under normal use. Do not ingest. May be harmful if swallowed.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Ethanol,2-(2-ethoxyethoxy)	111-90-0	< 5
2-Butoxy-ethanol Phosphate	78-51-3	< 2.5
Non-hazardous and other components below reportable levels		< > 90

4. First Aid Measures

First aid procedures

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops or persists.
Ingestion	Have victim rinse mouth thoroughly with water. Drink water as a precaution. Do not induce vomiting without medical advice. If ingestion of a large amount does occur, seek medical attention.
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.

General advice If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties None known. The product is not flammable.

Extinguishing media

Suitable extinguishing media	Use methods for the surrounding fire.
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6. Accidental Release Measures

Personal precautions	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unnecessary personnel away.
Methods for containment	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Never return spills in original containers for re-use. Large Spills: Dike far ahead of liquid spill for later disposal. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

7. Handling and Storage

Handling	Handle and open container with care. Avoid contact with eyes.
Storage	Keep in a well-ventilated place. Keep at temperatures between 4 and 43°C. Keep out of the reach of children.

8. Exposure Controls / Personal Protection

Engineering controls	Use general ventilation.
Personal protective equipment	
Eye / face protection	Wear chemical goggles.
Skin protection	Not normally needed. Wear impervious gloves for prolonged contact.
Respiratory protection	No personal respiratory protective equipment normally required.

9. Physical & Chemical Properties

Appearance	opaque liquid
Color	white
Odor	polymer
Odor threshold	Not available.
Form	Liquid.
pH	7.8
Freezing point	Not available.
Boiling point	Not available.
Flash point	> 200 °F (> 93.3 °C) Pensky-Martens Closed Cup
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor density	Not available.
Specific gravity	1.025
Solubility (water)	Not available.
VOC	0 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Do not freeze.
Incompatible materials	None known.
Hazardous decomposition products	Carbon oxides. and nitrogen oxides (NOx)

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Possibility of hazardous reactions Will not occur.

11. Toxicological Information

Acute effects Acute LD50: 38629 mg/kg, Rat, Oral

Local effects Irritating to eyes.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

13. Disposal Considerations

Disposal instructions Dispose in accordance with all applicable regulations. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

14. Transport Information

DOT

Not regulated as hazardous goods.

IATA

Not regulated as hazardous goods.

IMDG

Not regulated as hazardous goods.

ICAO

Not regulated as hazardous goods.

15. Regulatory Information

US federal regulations All components are on the U.S. EPA TSCA Inventory List.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - Yes

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

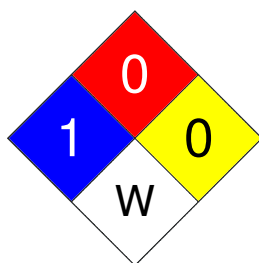
State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

HMIS rating

Health	/	1
Flammability		0
Physical Hazard		2
Personal Protection		A

NFPA codes

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

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