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

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
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<tbody>
<tr>
<td>Ethanol,2-(2-ethoxyethoxy)</td>
<td>111-90-0</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>2-Butoxy-ethanol Phosphate</td>
<td>78-51-3</td>
<td>&lt; 2.5</td>
</tr>
<tr>
<td>Non-hazardous and other components below reportable levels</td>
<td>&lt; &gt; 90</td>
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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.
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)
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**

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<td>Personal Protection</td>
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**NFPA codes**

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**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.

**Issue date**

04-01-2013