



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name TERRAGREEN BLUE GLASS CLEANER
Product number 361006 / 192014 / 193034
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 eyes.
Potential health effects
Eyes Contact with eyes may cause irritation.
Skin Health injuries are not known or expected under normal use. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).
Inhalation Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Propylene glycol monomethyl ether	107-98-2	< 2.5
Non-hazardous and other components below reportable levels		< > 90

4. First Aid Measures

First aid procedures
Eye contact After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops or persists.
Skin contact Wash off with warm water and soap. Launder contaminated clothing before reuse. Get medical attention if irritation develops or persists.
Ingestion Give several glasses of water. Have victim rinse mouth thoroughly with water. Do not induce vomiting. If ingestion of a large amount does occur, call a poison control center immediately.
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.
Extinguishing media
Suitable extinguishing media Use methods for the surrounding fire.

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6. Accidental Release Measures

Methods for cleaning up 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).

Never return spills in original containers for re-use. After removal flush contaminated area thoroughly with water.

7. Handling and Storage

Handling Avoid prolonged exposure. Handle and open container with care. Wash thoroughly after handling.

Storage Keep container tightly closed. Keep this material away from food, drink and animal feed. Keep out of the reach of children. Keep at temperatures between 4 and 49°C.

8. Exposure Controls / Personal Protection

Personal protective equipment

Eye / face protection Wear as appropriate: safety glasses with side-shields or goggles

Skin protection Not normally needed. Wear impervious gloves for prolonged contact.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance clear Liquid.

Color dark blue

Odor Clean/fresh fragrance added

Odor threshold Not available.

Form Liquid.

pH 7 - 8 (undiluted and at 1:16 dilution)

Freezing point Not available.

Boiling point 212 °F (100 °C)

Flash point > 212 °F (> 100 °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 1.003

Solubility (water) 100 %

VOC 5.42 %

10. Chemical Stability & Reactivity Information

Chemical stability Stable at normal conditions.

Conditions to avoid Do not freeze.

Incompatible materials Incompatible with strong acids and oxidizing agents.

Hazardous decomposition products Carbon monoxide and carbon dioxide. Sulphur oxides

Possibility of hazardous reactions Will not occur.

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11. Toxicological Information

Acute effects Acute LD50: 91310 mg/kg, Rat, Dermal
Acute LD50: 37421 mg/kg, Rat, Oral

Local effects Irritating to eyes, respiratory system and skin. Components of the product may be absorbed into the body through the skin.

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.

15. Regulatory Information

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

CERCLA/SARA Hazardous Substances - Not applicable.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

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.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Propylene glycol monomethyl ether (107-98-2) Listed.

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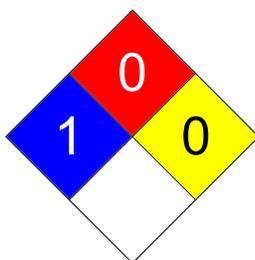
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16. Other Information

HMIS rating

Health	* 1
Flammability	0
Physical Hazard	0
Personal Protection	B

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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