



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.

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.

TERRAGREEN BLUE GLASS CLEANER

Product number: 361006 / 192014 / 193034

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

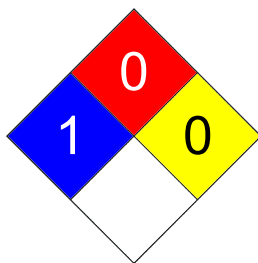
US federal regulations	All components are on the U.S. EPA TSCA Inventory List. CERCLA/SARA Hazardous Substances - Not applicable.
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity 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.

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.

Issue date

09-19-2011