



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name	TERRAGREEN DEGREASER
Product number	361008
Revision date	10-Jan-2006
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	CAUTION: EYE AND SKIN IRRITANT. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Potential short term health effects	
Eyes	Can cause severe eye irritation. Avoid contact with eyes.
Skin	This product may cause irritation to the skin. Avoid contact with the skin.
Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

3. Composition / Information on Ingredients

Not available

4. First Aid Measures

First aid procedures	
Eye contact	Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.
Skin contact	Wash off with soap and water. Launder contaminated clothing before reuse. Get medical attention if irritation develops or persists.
Inhalation	Move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.
Ingestion	Do not induce vomiting without medical advice. Give victim water or milk. Get medical attention immediately.
General advice	Keep victim warm. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. Fire Fighting Measures

Flammable properties	None known.
Extinguishing media	
Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.

6. Accidental Release Measures

Methods for cleaning up	Soak up with inert absorbent material. Shovel into suitable container for disposal. After removal flush contaminated area thoroughly with water.
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7. Handling and Storage

Handling	Handle and open container with care. Do not breathe gas/fumes/vapor/spray. Avoid contact with skin and eyes.
Storage	Keep at temperatures between 4 and 49°C.

8. Exposure Controls / Personal Protection

Personal protective equipment

Eye / face protection	Avoid contact with eyes. Wear safety glasses with side shields. goggles or face-shield
Skin protection	Protective gloves.
Respiratory protection	No personal respiratory protective equipment normally required. A NIOSH- approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance	clear
Clarity	Not available
Color	blue green
Form	Liquid.
Odor	mild
Odor threshold	Not available
Physical state	Liquid
pH	11.5 - 11.9
Melting point	Not available
Freezing point	Not available
Boiling point	212 °F
Flash point	> 212 °F Pensky-Martens Closed Cup
Evaporation rate	1
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	1.054
Relative density	Not available
Solubility (H₂O)	100 %
Octanol/H₂O coeff	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
VOC (Weight %)	0 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Do not freeze.
Incompatible materials	Strong oxidizing agents. Strong acids.
Hazardous decomposition products	Carbon monoxide and carbon dioxide.
Possibility of hazardous reactions	Will not occur.

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11. Toxicological Information

Acute effects Incomplete toxicological data are available for this product. Acute LD50: 44177 mg/kg estimated, Rat, Oral

12. Ecological Information

Ecotoxicity This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

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

Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

Department of Transportation (DOT) Requirements NON-BULK

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory Information

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

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical No

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

International regulations The product is classified and labelled in accordance with EC directives or respective national laws.

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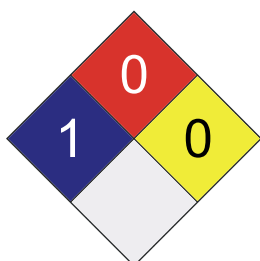
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16. Other Information

HMIS rating

Health	/	1
Flammability		0
Physical Hazard		0
Personal Protection		B

NFPA codes



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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.