

PRE-SPOTTER

Product number: 131025



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name PRE-SPOTTER
Product number 131025
Revision date 20-Feb-2008
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 Prolonged exposure may cause chronic effects.
Potential short term health effects
Eyes Contact with eyes may cause irritation.
Skin Health injuries are not known or expected under normal use.
Inhalation Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Ingestion Irritating to mouth, throat, and stomach.
Target organs Blood. Central nervous system. Eyes. Kidney. Liver. Respiratory system. Skin.
Potential environmental effects This material is not expected to be harmful to aquatic life.

3. Composition / Information on Ingredients

Hazardous component(s)	CAS #	Percent
2-Butoxyethanol	111-76-2	< 10

4. First Aid Measures

First aid procedures
Eye contact Flush eyes with water as a precaution. Get medical attention if irritation develops or persists.
Skin contact Wash off with soap and water. Get medical attention if irritation develops or persists.
Inhalation Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion Give several glasses of water to dilute contents of stomach and call a physician.
General advice In case of shortness of breath, give oxygen. 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 extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. Accidental Release Measures

Methods for cleaning up Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

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7. Handling and Storage

Storage Keep at temperatures between 4 and 49??C.

8. Exposure Controls / Personal Protection

Exposure guidelines

ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

2-Butoxyethanol 111-76-2 20 Ppm TWA

ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

2-Butoxyethanol 111-76-2 eye and upper respiratory tract irritation

U.S. - OSHA - Final PELs - Skin Notations

2-Butoxyethanol 111-76-2 prevent or reduce skin absorption

U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)

2-Butoxyethanol 111-76-2 50 Ppm TWA; 240 mg/m³ TWA

Engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

Eye / face protection Wear as appropriate: Safety glasses. or Goggles.

Skin protection The use of butyl rubber gloves is recommended.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. No personal respiratory protective equipment normally required.

9. Physical & Chemical Properties

Appearance	clear
Color	Clear colourless
Form	Liquid.
Odor	mild solvent
Odor threshold	Not available
pH	8.4 - 8.8
Freezing point	Not available
Boiling point	212 °F
Flash point	> 212 °F Pensky-Martens Closed Cup
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	1.006
Solubility (H₂O)	100 %
VOC (Weight %)	5.1 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
Possibility of hazardous reactions	Will not occur.

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11. Toxicological Information

Acute effects Acute LD50: 8435 mg/kg estimated, Rat, Oral
Acute LD50: 4395 mg/kg estimated, Rat, Dermal
Acute LC50: 9009 mg/l/4h estimated, Rat, Inhalation

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns. This material is not expected to be harmful to aquatic life.

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

Basic shipping requirements:

Proper shipping name	Flammable liquids, n.o.s. (2-Butoxyethanol)
Hazard class	3
UN number	UN1993
Packaging group	II

Additional information:

Special provisions	IB2, T7, TP1, TP8, TP28
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242
ERG number	128

DOT



Department of Transportation (DOT) Requirements NON-BULK

Basic shipping requirements:

Proper shipping name	Flammable liquids, n.o.s. (2-Butoxyethanol)
Hazard class	3
UN number	UN1993
Packaging group	III

Additional information:

Special provisions	B1, B52, IB3, T4, TP1, TP29
Packaging exceptions	150
Packaging non bulk	203
Packaging bulk	242

DOT NON-BULK



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IATA

Basic shipping requirements:

Proper shipping name Flammable liquid, n.o.s. (2-Butoxyethanol)
Hazard class 3
UN number UN1993
Packaging group II

Additional information:

Packaging exceptions 150

IATA



IMDG

Basic shipping requirements:

Proper shipping name FLAMMABLE LIQUID, N.O.S. (2-Butoxyethanol)
Hazard class 3
UN number UN1993
Packaging group II

Additional information:

Packaging exceptions 150

IMDG



15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

2-Butoxyethanol 111-76-2 1.0 Percent de minimis concentration (applies to R-(OCH₂CH₂)_n-OR' ethers, where n = 1,2, or 3, R=alkyl C7 or less or R = phenyl or alkyl subst. phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

None

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

International regulations

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

State regulations

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

PRE-SPOTTER

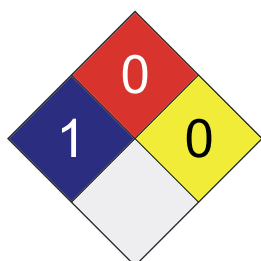
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16. Other Information

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.