

# 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/m<sup>3</sup> 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

<b>Appearance</b>	clear
<b>Color</b>	Clear colourless
<b>Form</b>	Liquid.
<b>Odor</b>	mild solvent
<b>Odor threshold</b>	Not available
<b>pH</b>	8.4 - 8.8
<b>Freezing point</b>	Not available
<b>Boiling point</b>	212 °F
<b>Flash point</b>	> 212 °F Pensky-Martens Closed Cup
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	1.006
<b>Solubility (H<sub>2</sub>O)</b>	100 %
<b>VOC (Weight %)</b>	5.1 %

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable at normal conditions.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
<b>Possibility of hazardous reactions</b>	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:

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

#### Additional information:

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

DOT



### Department of Transportation (DOT) Requirements NON-BULK

#### Basic shipping requirements:

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

#### Additional information:

<b>Special provisions</b>	B1, B52, IB3, T4, TP1, TP29
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	203
<b>Packaging bulk</b>	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-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-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

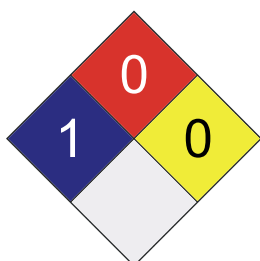
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### 16. Other Information

HMIS rating

Health	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	B

NFPA codes



**Prepared date**

20-Feb-2008 12:12:59

**Superseded date**

10-Jan-2006 10:11:44

**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.