

# GREEN BATHROOM CLEANER

Product number: 161033 / 192002



## MATERIAL SAFETY DATA SHEET

### 1. Product and Company Identification

**Material name** GREEN BATHROOM CLEANER  
**Product number** 161033 / 192002  
**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

#### Potential short term health effects

**Eyes** Can cause severe eye irritation.  
**Skin** Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.  
**Inhalation** Inhalation of mist causes irritation of respiratory system.  
**Ingestion** Irritating to mouth, throat, and stomach.

### 3. Composition / Information on Ingredients

Hazardous component(s)	CAS #	Percent
Didecyldimethylammonium chloride	7173-51-5	< 10
Ethyl alcohol	64-17-5	< 10
N-Alkyl(C14 50%, C12 40%, C16 10%)-N,N-dimethyl-N-benzylammonium Chloride	68424-85-1	< 10

### 4. First Aid Measures

#### First aid procedures

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.  
**Skin contact** Wash with soap and water. Launder contaminated clothing before reuse.  
**Inhalation** Move to fresh air. If symptoms persist, get medical attention.  
**Ingestion** Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician immediately.

**Notes to physician** If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

### 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** Small Spills: Soak up with inert absorbent material.  
Large Spills: Wipe up with absorbent material (e.g. cloth, fleece).

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## 7. Handling and Storage

**Storage** Keep container closed when not in use.

## 8. Exposure Controls / Personal Protection

### Exposure guidelines

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

Ethyl alcohol 64-17-5 1000 Ppm TWA

#### ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

Ethyl alcohol 64-17-5 CNS impairment; eye and upper respiratory tract irritation

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

Ethyl alcohol 64-17-5 1000 Ppm TWA; 1900 mg/m3 TWA

### Personal protective equipment

**Eye / face protection** Safety glasses. or Goggles.

**Skin protection** Wear impervious gloves for prolonged contact.

**Respiratory protection** Not applicable.

**General hygiene considerations** Keep away from food, drink and animal feeding stuffs. Wash hands and face before breaks and immediately after handling the product.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Not available
<b>Color</b>	green
<b>Form</b>	Liquid.
<b>Odor</b>	Fresh Floral
<b>Odor threshold</b>	Not available
<b>pH</b>	11.8
<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 determined
<b>Vapor density</b>	not determined
<b>Specific gravity</b>	1.014
<b>Solubility (H2O)</b>	100 %
<b>VOC (Weight %)</b>	1.8 %

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	This is a stable material.
<b>Hazardous decomposition products</b>	Ammonia, Nitrogen oxides (NOx).
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

**Chronic effects** Repeated or prolonged exposure may cause irritation of eyes and skin.

## 12. Ecological Information

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

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## 13. Disposal Considerations

### Disposal instructions

Dispose in accordance with all applicable regulations.

### Contaminated packaging

Do not re-use empty containers. Triple rinse containers. Can be offered for recycling, re-conditioning or puncture.

## 14. Transport Information

### Department of Transportation (DOT) Requirements

#### Basic shipping requirements:

Proper shipping name	Disinfectant, Liquid, Corrosive, NOS (N-ALKYL(C14 50%, C12 40%, C16 10%)-N,N-DIMETHYL-N-BENZYLAMMONIUM CHLORIDE)
Hazard class	8
UN number	UN1903
Packaging group	III

#### Additional information:

Special provisions	Ib3, T4, TP1
Packaging exceptions	154
Packaging non bulk	203
Packaging bulk	241
ERG number	153

DOT



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

#### Basic shipping requirements:

Proper shipping name	Disinfectant, Liquid, Corrosive, NOS (N-ALKYL(C14 50%, C12 40%, C16 10%)-N,N-DIMETHYL-N-BENZYLAMMONIUM CHLORIDE)
Hazard class	8
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#### Additional information:

Special provisions	IB3, T4, TP1
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DOT NON-BULK



### IATA

#### Basic shipping requirements:

Proper shipping name	Disinfectant, Liquid, Corrosive, NOS (N-ALKYL(C14 50%, C12 40%, C16 10%)-N,N-DIMETHYL-N-BENZYLAMMONIUM CHLORIDE)
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IATA



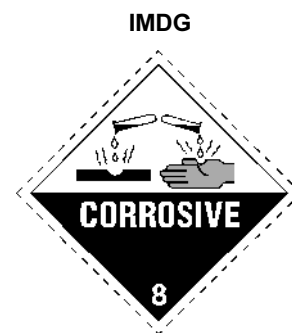
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## IMDG

### Basic shipping requirements:

Proper shipping name	DISINFECTANT LIQUID, CORROSIVE, NOS (N-ALKYL(C14 50%, C12 40%, C16 10%)-N,N-DIMETHYL-N-BENZYLAMMONIUM CHLORIDE)
Hazard class	8
UN number	UN1903
Packaging group	III
Additional information:	
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## 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 Yes

### CERCLA (Superfund) reportable quantity

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

### State regulations

#### U.S. - California - Proposition 65 - Developmental Toxicity

Ethyl alcohol 64-17-5 developmental toxicity, initial date 10/1/87 (when in alcoholic beverages)

## GREEN BATHROOM CLEANER

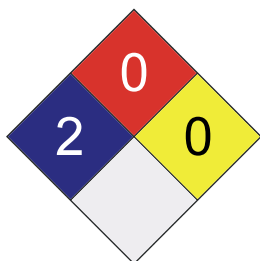
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### 16. Other Information

HMIS rating

Health	/ 2
Flammability	0
Physical Hazard	0
Personal Protection	B

NFPA codes



**Prepared date**

20-Feb-2008 13:14:52

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**Disclaimer**

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