



## MATERIAL SAFETY DATA SHEET

### 1. Product and Company Identification

|                            |   |
|----------------------------|---|
| <b>Material name</b>       | <b>MAXIMA 128</b>   |
| <b>Product number</b>      | 161041  |
| <b>Revision date</b>       | 07-Apr-2008   |
| <b>Company information</b> | Brulin & Company, Inc.<br>P.O. Box 270<br>Indianapolis, IN 46206 US<br>www.Brulin.com |
| <b>Emergency</b>           | CHEMTREC 1-800-424-9300   |
| <b>General information</b> | Phone: 317-923-3211<br>Fax: 317-925-4596  |

### 2. Hazards Identification

#### Potential short term health effects

|                   |   |
|-------------------|---|
| <b>Eyes</b>       | This product may cause slight irritation to the eyes.                                     |
| <b>Skin</b>       | Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis. |
| <b>Inhalation</b> | Inhalation of mist causes irritation of respiratory system.                               |
| <b>Ingestion</b>  | Irritating to mouth, throat, and stomach.   |

### 3. Composition / Information on Ingredients

| Hazardous component(s)  | CAS #      | Percent |
|---|------------|---------|
| Didecyldimethylammonium chloride  | 7173-51-5  | < 2.5   |
| Ethyl alcohol   | 64-17-5    | < 2.5   |
| 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

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention. |
| <b>Skin contact</b> | Wash with soap and water. Launder contaminated clothing before reuse.   |
| <b>Inhalation</b>   | Move to fresh air. If symptoms persist, get medical attention.  |
| <b>Ingestion</b>    | 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

|                                     |   |
|-------------------------------------|---|
| <b>Flammable properties</b>         | None known.   |
| <b>Extinguishing media</b>          |   |
| <b>Suitable extinguishing media</b> | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |

### 6. Accidental Release Measures

|                                |   |
|--------------------------------|---|
| <b>Methods for cleaning up</b> | Small Spills: Soak up with inert absorbent material.<br>Large Spills: Wipe up with absorbent material (e.g. cloth, fleece). |
|--------------------------------|---|

## 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.

**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>  | clear green                        |
| <b>Form</b>   | Liquid.                            |
| <b>Odor</b>   | pleasant Sassafrass                |
| <b>Odor threshold</b>                                 | Not available                      |
| <b>pH</b>   | 0.8 - 1.9                          |
| <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>                                 | as water                           |
| <b>Vapor density</b>                                  | as water                           |
| <b>Specific gravity</b>                               | 1.01                               |
| <b>Solubility (H2O)</b>                               | 100 %                              |
| <b>VOC (Weight %)</b>                                 | 1.06 %                             |

## 10. Chemical Stability & Reactivity Information

|   |   |
|---|---|
| <b>Chemical stability</b>                 | This is a stable material.                    |
| <b>Conditions to avoid</b>                | S50 - Do not mix with other cleaning products |
| <b>Incompatible materials</b>             | Strong oxidizing agents. and reducing agents  |
| <b>Hazardous decomposition products</b>   | Ammonia, Nitrogen oxides (NOx).               |
| <b>Possibility of hazardous reactions</b> | Will not occur.                               |

## 11. Toxicological Information

|                        |  |
|------------------------|--|
| <b>Acute effects</b>   | LD50/oral/rat =7.41 g/kg<br>LD50/dermal/rabbit =>5 g/kg<br>Mild eye irritation<br>Mild skin irritation |
| <b>Chronic effects</b> | Repeated or prolonged exposure may cause irritation of eyes and skin.                                  |

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### 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.

**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

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** 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)

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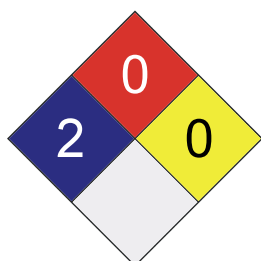
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## 16. Other Information

HMIS rating

|                     |     |
|---------------------|-----|
| Health              | / 2 |
| Flammability        | 0   |
| Physical Hazard     | 0   |
| Personal Protection | B   |

NFPA codes



**Prepared date**

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**Superseded date**

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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.

**MSDS sections updated**

Chemical Stability & Reactivity Information: Conditions to avoid  
Chemical Stability & Reactivity Information: Incompatibility