1. IDENTIFICATION

Product Identifier
Product Name #6 Banner Ultra

Other Means of Identification
Product Code 650600

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Bio-enzymatic digestant. For industrial use.

Details of the Supplier of the Safety Data Sheet
Midlab, Inc.
140 Private Brand Way
Athens, TN 37303

Emergency Telephone Number
Company Phone Number Phone: 1-423-337-3180
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Contains non-pathogenic bacterial spores.

Appearance White
Physical State Liquid
Odor Fresh

Classification
This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Product AT USE DILUTION
GHS Classification: Not classified.
Signal Word: No signal word.
Hazard Statements: No known significant effects or critical hazards.
Prevention: Wash thoroughly after handling.
Response: Get medical attention if symptoms appear.
Disposal: No other specific measures identified.
Other Hazards: None known.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>60-100</td>
</tr>
<tr>
<td>Alcohols, C9-11 ethoxylated</td>
<td>68439-46-3</td>
<td>1-5</td>
</tr>
<tr>
<td>Diethylene Glycol Monobutyl Ether</td>
<td>112-34-5</td>
<td>1-5</td>
</tr>
<tr>
<td>Sodium Xylene Sulfonate</td>
<td>1300-72-7</td>
<td>1-5</td>
</tr>
</tbody>
</table>

Contains 1-5% non-pathogenic bacterial spores.

"If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret."

Product AT USE DILUTION

No hazardous ingredients in reportable quantities are present in the product.

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin Contact
If skin irritation occurs, rinse affected area with water.

Inhalation
No known hazardous effects. If symptoms occur, remove to fresh air.

Ingestion
Drink plenty of water. If any discomfort persists, obtain medical attention.

Most Important Symptoms and Effects

Symptoms
Prolonged contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. Prolonged or repeated skin contact may cause irritation.

Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician
Treat symptomatically.

Product AT USE DILUTION

Eye Contact: No known effect. Rinse with water for a few minutes.
Skin Contact: No known effect. Rinse with water for a few minutes.
Inhalation: No special measures required. Treat symptomatically.
Ingestion: Get medical attention if symptoms occur.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray (fog). Carbon dioxide (CO2). Dry chemical. Foam.

Unsuitable Extinguishing Media
Not determined.

Specific Hazards Arising from the Chemical
None known.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES
Personal Precautions, Protective Equipment and Emergency Procedures

- **Personal Precautions**: Use personal protective equipment as required.
- **Environmental Precautions**: Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

- **Methods for Containment**: Prevent further leakage or spillage if safe to do so.
- **Methods for Clean-Up**: Collect spillage. Collect in a clean, dry waste container for disposal. After cleaning, flush away traces with water.

**Product AT USE DILUTION**

- **Personal Precautions**: Use personal protective equipment as required.
- **Environmental Precautions**: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.
- **Methods for Clean Up**: Use a water rinse for a final clean-up.

7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Advice on Safe Handling**: Avoid contact with eyes. Observe good industrial hygiene practices.

**Conditions for Safe Storage, Including Any Incompatibilities**

- **Storage Conditions**: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
- **Incompatible Materials**: None known.

**Product AT USE DILUTION**

- **Handling and Storage**: Wash thoroughly after handling. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**: No exposure limits noted for ingredient(s)

**Appropriate Engineering Controls**

- **Engineering Controls**: Ventilation systems.

**Individual Protection Measures, such as Personal Protective Equipment**

- **Eye/Face Protection**: No protective equipment is needed under normal use conditions.
- **Skin and Body Protection**: No protective equipment is needed under normal use conditions.
- **Respiratory Protection**: No protective equipment is needed under normal use conditions.
- **General Hygiene Considerations**: Handle in accordance with good industrial hygiene and safety practice.

**Product AT USE DILUTION**

- **Engineering Controls**: Good general room ventilation should be adequate.
- **Eye Protection**: No protective equipment needed under normal use conditions.
- **Skin and Body Protection**: No protective equipment needed under normal use conditions.
- **Respiratory Protection**: No protective equipment is needed under normal use conditions.
- **General Hygiene Considerations**: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES
Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>7.0-7.5</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>~ 0 °C / ~32 °F</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>~ 100 °C / ~212 °F</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
<td>Tag Open Cup</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>n/a-liquid</td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.01</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Completely soluble</td>
<td>@ 25 °C (77 °F)</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>

Product AT USE DILUTION

Physical State: Liquid
Color: Light opaque white
Odor: Fresh
pH: 7.0-7.5

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to Avoid
Keep out of reach of children. Keep from freezing.

Incompatible Materials
None known.

Hazardous Decomposition Products
When exposed to fire, produces normal products of combustion.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact
Avoid contact with eyes.

Skin Contact
Avoid contact with skin.
Inhalation
Avoid breathing vapors or mists.

Ingestion
Do not taste or swallow.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C9-11 ethoxylated 68439-46-3</td>
<td>= 1378 mg/kg (Rat)</td>
<td>&gt; 2 g/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Diethylene Glycol Monobutyl Ether 112-34-5</td>
<td>= 3384 mg/kg (Rat)</td>
<td>= 2700 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Sodium Xylene Sulfonate 1300-72-7</td>
<td>= 7200 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Information on Physical, Chemical and Toxicological Effects

Symptoms
Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Carcinogenicity
This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity
Not determined

Product AT USE DILUTION
No specific data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene Glycol Monobutyl Ether 112-34-5</td>
<td>100: 96 h Desmodesmus subspicatus mg/L EC50</td>
<td>1300: 96 h Lepomis macrochirus mg/L LC50 static</td>
<td>-</td>
<td>2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>

Persistence/Degradability
Not determined

Bioaccumulation
Not determined

Mobility
Not determined

Other Adverse Effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT
Not regulated
IATA  
Not regulated
IMDG  
Not regulated

Product AT USE DILUTION  
Not intended for transport.

15. REGULATORY INFORMATION

International Inventories  
Not determined

US Federal Regulations  

SARA 311/312 Hazard Categories

Acute Health Hazard  
Yes

SARA 313

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene Glycol Monobutyl Ether</td>
<td>112-34-5</td>
<td>1-5</td>
<td>1.0</td>
</tr>
</tbody>
</table>

US State Regulations  

U.S. State Right-to-Know Regulations
The following ingredients appear on various state right to know lists and/or California’s Proposition 65 List:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>State List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene Glycol Monobutyl Ether</td>
<td>NJ &amp; PA</td>
</tr>
</tbody>
</table>

AZ- Arizona Ambient Air Quality Guidelines  
CT- Connecticut Hazardous Air Pollutants  
CA- California Director’s List of Hazardous Substances  
CAP65- California Prop65  
FL- Florida Substances List  
ID- Idaho Non-Carcinogen Toxic Air Pollutants  
IL- Illinois Toxic Air Contaminate- Carcinogenic  
MA- Massachusetts Right to Know List  
MN- Minnesota Hazardous Substances List  
NJ- New Jersey Right to Know List  
PA- Pennsylvania Right to Know List  
RI- Rhode Island Hazardous Substances List
16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Product AT USE DILUTION

Health Hazard: 1
Flammability: 0
Physical Hazards: 0
Personal Protection: Not determined

Issue Date: 08-Aug-2011
Revision Date: 16-Dec-2014
Revision Note: Added At Use Dilution Information Version 1.1

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

*Denotes changes from last version.

End of Safety Data Sheet