1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers
Product Name : MD Pellets
Synonyms : None
Product Form : Pellet

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses : Treatment and reduction of muck

1.3 Details of the supplier of the safety data sheet
Company : Naturalake Biosciences
2310 Daniels St.
Madison WI 53718
USA
Telephone : +1 888-757-9575
Monday-Friday
7:30am-4:00pm CST

1.4 Emergency telephone number
Emergency Phone# : Chemtrec +1 800-424-9300

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
This material is not considered hazardous in accordance with OSHA 29 CFR 1910.1200

2.2 GHS Label elements, including precautionary statements
Pictogram : N/A
Signal Word : N/A
Hazard Statement(s) : N/A
Precautionary Statement(s) : N/A

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS
None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Hazardous Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Cas-No.</th>
<th>Concentration %</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
</table>

Ingredients not precisely identified are proprietary or non-hazardous. Product formulation consists of a range of naturally occurring microorganisms.

4. FIRST AID MEASURES

4.1 Description of first aid measures
   General advice
   This product is considered non-toxic, if concerned consult a physician.
   In case of skin contact
   Wash exposed area with soap and water.
   In case of eye contact
   Immediately rinse eyes with plenty of water.
   If Inhaled
   Remove to fresh air.
   If Ingested
   May cause nausea or diarrhea, drink plenty of water.

4.2 Most important symptoms and effects both acute and delayed
   Possible irritation upon contact.

4.3 Indication of any immediate medical attention and special treatment needed
   None. If any symptoms persist, seek medical attention.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media
   Suitable extinguishing media
   Use water, water spray, foam, carbon dioxide (CO2), or dry powder.
   Unsuitable extinguishing media
   None

5.2 Special hazards arising from the substance or mixture
   None

5.3 Special protective equipment for firefighters
   No special protective equipment required.

5.4 Further Information
   Flash Point (°C)  No information available
   Autoignition temperature (°C) No information available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions
No special precautions required. Wear adequate personal protective equipment.

6.3 **Method and materials for clean up**
Maintain good housekeeping practices. Can be washed away with water. No special disposal method required, except that it be in accordance with current local, state/provincial and federal regulations.

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### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling
Wear personal protection equipment.

#### 7.2 Conditions for safe storage
**Risks**
Not at risk for corrosion, fire, explosion, or chemical reaction.

**Place of storage**
Store in a cool, dry space between 50-80°F.

**Fire/explosion protection**
None needed

#### 7.3 Specific end use
None

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1 Control parameters
**Components with work place parameters**
None

#### 8.2 Exposure controls
**Engineering controls**
Handle in accordance with good industrial hygiene and safety practice.

**Personal Protective Equipment**
- **Eye/face protection**: Protective glasses are recommended
- **Skin**: Hand: Gloves are recommended
- **Other**: Wear appropriate clothing for work.
- **Respiratory protection**: Protective mask is recommended
- **Thermal protection**: None
- **Environmental exposure**: None

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### 9. PHYSICAL & CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties
- **Appearance**: Dry pellet, brown in color
- **Odor**: Earthy smell
- **Solubility**: Highly soluble
Boiling point : No data available
pH : No data available
Vapor density : No data available
Melting point : 130
Vapor pressure : No data available
Specific Gravity : 1.0 gr/cc

9.2. Other information
None

10. STABILITY AND REACTIVITY
10.1. Reactivity : None
10.2. Chemical Stability : Stable
10.3. Possibility of hazardous reactions : None
10.4. Conditions to avoid : Strong acids or bases
10.5. Incompatible materials
Strong acids or bases. Acids or alkalis may break down enzymes and inactivate bacterial cultures.
10.6. Hazardous decomposition products : None

11. TOXICOLOGICAL INFORMATION
11.1. Information on toxicological effects
Acute toxicity : No known effects
Skin corrosion/irritation : No known effects
Eye damage/irritation : No known effects
Respiratory/skin sensitization : No known effects, possible allergic sensitization
CMR (Carcinogenity, Mutagenicity, Reproductive toxicity) : No known effects

12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Test Species</th>
<th>Toxicity Value Type</th>
<th>Toxicity Value</th>
<th>Toxicity Value Units</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceriodaphnia dubia</td>
<td>LC50</td>
<td>1347.46</td>
<td>mg/L</td>
<td>48 hours</td>
</tr>
<tr>
<td>Pimephales promelas</td>
<td>LC50</td>
<td>111.85</td>
<td>mg/L</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

12.1. Toxicity : No known information is available
12.2. Persistence and degradability : No known information is available
12.3. Bioaccumulative potential : No known information is available
12.4. Mobility in soil : No known information is available
12.5. Results of PBT and vPvB assessment : No known ecological information is available

13. DISPOSAL CONSIDERATIONS
13.1. Waste treatment methods
Product and packaging can be disposed of in regular trash. No special disposal method required. Follow all applicable local laws for recycling, bagging, and disposal of trash.

14. TRANSPORTATION INFORMATION

14.1 UN NUMBER : Not relevant
14.2 UN proper shipping name : Not relevant
14.3 Transportation hazard class : Not classified as dangerous
14.4 Packing group : Not relevant
14.5 Environmental hazards : None
14.6 Special precautions : None
14.7 Further Information : None

15. REGULATORY INFORMATION

Sara/Title III – CERCLA LIST of Hazardous Substances and Reportable Quantities (40CFR304.4): This product does not contain an ingredient(s) listed as a hazardous ingredient for Emergency Release Notification under section 304.

Sara/Title III – List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 300 & 305): This product does not contain an ingredient(s) listed as an extremely hazardous substances (EHS) for Emergency Planning under sections 301-303 and for Emergency Release Notification under section 304.

Sara/Title III – List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372): This product does not contain an ingredient(s) listed as a toxic chemical for Annual Release Reporting Requirements under section 313.

16. OTHER INFORMATION

The information in this SDS was obtained from sources which we believe to be reliable. However, the information is provided without any warranty expressed or implied regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself.

This SDS was prepared and is to be used only for this product. No representation, warranty, or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness. We assume no responsibility for any loss, damage or expense direct or consequential arising out of use. It is the user’s responsibility to satisfy himself as to the suitableness and completeness of such information for his own particular use.