## SECTION 1: Identification

### 1.1. Identification

- **Product form**: Mixture
- **Product name**: Hydrate

### 1.2. Recommended use and restrictions on use

- **Use of the substance/mixture**: Water Soluble Feed Additive

### 1.3. Supplier

Animal Science Products, Inc.
3418 Rayburn Drive
Nacogdoches, TX 75961
Phone: 936.560.0003

### 1.4. Emergency telephone number

- **Emergency number**: 24 Hour Contact - Infotrac
  - Domestic contact: 800-535-5053
  - International contact: +1-352-323-3500

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

- **GHS-US classification**: Combustible Dust
  - May form combustible dust concentrations in air

### 2.2. GHS Label elements, including precautionary statements

- **GHS-US labeling**
  - **Signal word (GHS-US)**: Warning
  - **Hazard statements (GHS-US)**: May form combustible dust concentrations in air

### 2.3. Other hazards which do not result in classification

- **No additional information available**

### 2.4. Unknown acute toxicity (GHS US)

- **Not applicable**

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

- **Not applicable**

### 3.2. Mixtures

- **Not applicable – no constituents are health hazards and present in concentrations requiring identification**

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

#### First-aid measures general
- Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

#### First-aid measures after inhalation
- Allow victim to breathe fresh air. Allow the victim to rest.

#### First-aid measures after skin contact
- Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

#### First-aid measures after eye contact
- Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

#### First-aid measures after ingestion
- Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects (acute and delayed)

#### Potential Adverse human health effects and symptoms
- Based on available data, the classification criteria are not met.

#### Symptoms/injuries
- Not expected to present a significant hazard under anticipated conditions of normal use.
4.3. Immediate medical attention and special treatment, if necessary
No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical
Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.

6.2. Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if material enters sewers or public waters.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections
See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Minimize dust generation and accumulation.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of Ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No additional information available

8.2. Appropriate engineering controls
No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:
Wear protective gloves
Eye protection:
Chemical goggles or safety glasses

Respiratory protection:
Not typically required

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Color</td>
<td>Greenish</td>
</tr>
<tr>
<td>Odor</td>
<td>Organic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Congenious</td>
</tr>
<tr>
<td>Log Pow</td>
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</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
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</tr>
<tr>
<td>Viscosity, kinematic</td>
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</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
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</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Stable under recommended handling and storage conditions.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
Direct sunlight. Dust formation.

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products
Carbon monoxide. Carbon dioxide.
## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Toxicological Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity – single exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity – repeated exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
<tr>
<td>Potential Adverse human health effects and symptoms</td>
<td>Based on available data, the classification criteria are not met.</td>
</tr>
<tr>
<td>Symptoms/injuries</td>
<td>Not expected to present a significant hazard under anticipated conditions of normal use.</td>
</tr>
</tbody>
</table>

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

| Hydrate                          | Persistence and degradability | Not established. |

### 12.3. Bioaccumulative potential

| Hydrate                          | Bioaccumulative potential     | Not established. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information: Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

- **Product/Packaging disposal recommendations**: Dispose in a safe manner in accordance with local, state and federal regulations.
- **Ecology - waste materials**: Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

No additional information available

### TDG

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available
SECTION 15: Regulatory information

15.1. US Federal regulations

<table>
<thead>
<tr>
<th>Hydrate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Section 311/312 Hazard Classes</td>
<td>Combustible dust</td>
</tr>
</tbody>
</table>

15.2. International regulations

- CANADA
  No additional information available

- EU-Regulations
  No additional information available

- National regulations
  No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product