SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Trade name: Rice Hulls (ground or unground)
Chemical name: Rice Hulls
Product code: N/A

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified use: Feed supplement. Cellulose filler. Absorbent

1.3. Details of the supplier of the safety data sheet
Manufacturer:
Rice Hulls Specialty Products, Inc.
1304 Hwy 146 Spur
Stuttgart, AR 72160
Phone: 870-673-8507

1.4. Emergency telephone number
Emergency number: 870-830-4562
501-590-0084
870-830-1525

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Comb. Dust H232
Full text of H-statements: see section 16

2.2. Label elements
GHS-US labelling
Signal word (GHS-US): Warning
Hazard statements (GHS-US): H232 - May form combustible dust concentrations in air

2.3. Other hazards
Hazards not otherwise identified: Contact with eyes may cause reversible physical irritation. Overexposure to dusts, mists or vapours may produce slight irritation of the respiratory system.

2.4. Unknown acute toxicity (GHS-US)
Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rice Hulls</td>
<td>(CAS No) not apply</td>
<td>100</td>
</tr>
</tbody>
</table>

3.2. Mixture
Not applicable

4.1. Description of first aid measures
First-aid measures after inhalation: Allow breathing of fresh air. Allow the victim to rest.
First-aid measures after skin contact: No specific skin reaction are expected. Wash skin with water and soap.
Rice Hulls
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according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

First-aid measures after eye contact: Rinse immediately with plenty of water for 15 minutes. Product can cause eye abrasions.
First-aid measures after ingestion: Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Unsuitable extinguishing media: None known

5.2. Special hazards arising from the substance or mixture
Fire hazard: The product is not flammable but burns.
Explosion hazard: Avoid generation of dust; fine dust dispersed in air in sufficient concentration, and in the presence of an ignition source is a potential dust explosion hazards.
Reactivity: In case this product is used as absorbent, used product may be reactive. Refer to the absorbed materia SDS.

5.3. Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters: 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
General measures: Collect as much as possible in clean container for (preferably) re-use or disposal. Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

6.1.1. For non-emergency personnel
Emergency procedures: No specific hazards.

6.1.2. For emergency responders
Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Collect all waste in suitable and labelled containers and dispose according to local legislation.

6.2. Environmental precautions
No additional information available.

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. Avoid dispersal of dust in the air (i.e., cleaning dust surfaces with compressed air). Non-sparking tools should be used.

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: Provide good ventilation in process area to prevent formation of dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build statics electricity charges when subjected to the friction of transfer and mixture operations. Provide adequate precautions, such as electrical grounding and bonding or inert atmospheres.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Dry storage is required due to possibility of spontaneous combustion from decomposing action of bacteria if rice hulls is permitted to get wet.
Incompatible materials: Moist. Humidity.
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Safety Data Sheet
according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No additional information available

8.2. Exposure controls
Appropriate engineering controls: Ensure good ventilation of the work station. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area. Use only appropriately classified electrical equipment and powered industrial trucks.

Personal protective equipment: Safety glasses. Dust mask.

Hand protection: Avoid prolonged contact with skin.
Eye protection: Chemical goggles or safety glasses.
Respiratory protection: Wear appropriate dust mask.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state: Solid
Colour: Light brown and tan
Odour: Odourless
Odour threshold: No data available
pH: Not applicable
Relative evaporation rate (butyl acetate=1): Not applicable
Melting point: Not applicable
Freezing point: Not applicable
Boiling point: Not applicable
Flash point: Not applicable
Auto-ignition temperature: No data available
Decomposition temperature: Not applicable
Flammability (solid, gas): No data available
Vapour pressure: Not applicable
Relative vapour density at 20 °C: Not applicable
Relative density: No data available
Solubility: Not soluble in water
Log Pow: Not applicable
Log Kow: Not applicable
Viscosity, kinematic: Not applicable
Viscosity, dynamic: Not applicable
Explosive properties: No data available
Oxidising properties: Not applicable
Explosive limits: No data available

9.2. Other information
No additional information available

07/07/2015 EN (English)
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Safety Data Sheet
according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

SECTION 10: Stability and reactivity

10.1. Reactivity
Used product may be reactive. Refer to the absorbed materia SDS.

10.2. Chemical stability
The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions
None

10.4. Conditions to avoid
Moist. Humidity. Possibility of spontaneous combustion from decomposing action of bacteria if rice hulls is permitted to get wet.

10.5. Incompatible materials
None

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified
Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability
Not established.

12.3. Bioaccumulative potential
Not established.

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Effect on ozone layer : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

07/07/2015 EN (English)
Rice Hulls  
Safety Data Sheet  
according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

### SECTION 14: Transport information

In accordance with DOT  
Not regulated for transport  

Additional information  
Other information : No supplementary information available.

ADR  
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  
No additional information available  

15.2. International regulations  
CANADA  
No additional information available  

EU-Regulations  
No additional information available  

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Not classified  

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]  

15.2.2. National regulations  

15.3. US State regulations

### SECTION 16: Other information

Other information  
Refer to NFPA 654, Standard for the Prevention of Fire and Dust explosions from the Manufactureing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

<table>
<thead>
<tr>
<th>H-statement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comb. Dust</td>
<td>Combustible Dust</td>
</tr>
<tr>
<td>H232</td>
<td>May form combustible dust concentrations in air</td>
</tr>
</tbody>
</table>

The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instruction or recommendations are not followed.