
Identification of Substance or Preparation: Ground rice hulls
(*natural or organic*)
Use of substance / preparation: Anti-caking, flavor carrier
Company/undertaking identification: RIBUS, Inc.
Emergency telephone: +1-314-727-4287 or
USA CHEMTREC 800-262-8200

1. Identification

Maker: RIBUS, Inc.
10900 Manchester Road, Suite 100
St. Louis, MO 63122 USA
+1-314-727-4287

Date Prepared:
10-30-2017

2. Hazard Identification

Symbols:

N/A

Classification:

N/A

R Phrase #:

N/A

Human health hazards:

Possible respiratory hazard

-rhinitis

3. Composition / Information on Ingredients

Ingredient Name	CAS#	%	EINECS#	%	Classification
Nu-FLOW®	N/A		N/A		N/A
Nu-FLAC®	N/A		N/A		N/A
Organic Nu-FLOW®	N/A		N/A		N/A
Organic Nu-FLAC®	N/A		N/A		N/A
Rice Concentrate	N/A		N/A		N/A
Organic Rice Concentrate	N/A		N/A		N/A

4. First Aid Measures

EMERGENCY OVERVIEW

Effects of Overexposure: Repeated inhalation of dust may cause respiratory tract irritation in susceptible individuals.

Inhalation: Inhalation of dust can result in irritation to the mucous membranes of the respiratory tract.

Skin: Prolonged contact may cause irritation in sensitive individuals.

Eyes: In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes.

Ingestion: No acute oral toxicity is expected. This product is produced in accordance with GMP's for human foods.

First Aid Procedures

Skin & Eyes: In case of contact, immediately wash with water. If irritation or allergic condition develops, get medical assistance.

Inhalation: Remove from area of exposure. If not breathing normally, get medical assistance.

Ingestion: This material is a food ingredient. Ingestion is not expected to cause a health hazard. If swallowing is difficult or esophageal obstruction occurs, get medical assistance.

5. Fire-Fighting Measures

Extinguishing Media: CO₂, Water
Unusual Fire and Explosion Hazards: None Known
Special Fire Fighting Procedures: As a grain-based product, dust may form an explosive mixture with air. Avoid conditions which produce dust.

6. Accidental Release Measures

Personal Precautions: Use cloth or paper dust masks, NIOSH/OSHA device. Provide adequate ventilation. Use local exhaust as needed. Use eye, nose and mouth protection to minimize the risk of irritation.

Environmental Precautions and Cleanup Methods: No emergency results from spillage; however, spills should be cleaned up promptly. Do not return material to its original container. Wear appropriate protective equipment. Sweep up material and place in appropriate waste container and dispose of according to local regulations. Wash spill area after pickup is completed.

7. Handling and Storage

- Handling:** Use normal Good Manufacturing Practices in handling and storing material
- Storage:** Keep containers closed and dry prior to use. Store at > 32 °F (0 °Celsius) and < 90 °F (32 °Celsius)
- Packaging Materials:** 35#'s in a 3-mil plastic bag inside a double wall Kraft box
30 boxes per pallet = 1,050 Lbs.
- Recommended:** Use original container

8. Exposure Controls/Personal Protection

Occupational Exposure Limits:

PEL=15 mg/m³ (total particulate)
5 mg/m³ (respirable fraction)

- Exposure Controls:** Use cloth or paper masks when handling and provide adequate ventilation
- Respiratory Protection:** Cloth or paper masks, NIOSH/OSHA device
- Skin:** None established
- Eyes:** Protective goggles are suggested, but not required.
- Ventilation:** Provide adequate ventilation. Use local exhaust as needed.
- Other Protective Equipment:** None established

9. Physical and Chemical Properties

GENERAL INFORMATION

Appearance and Odor: While typically light tan in color and odorless, it is all-natural and is subject to seasonal and slight variety variations in color, taste, and aroma.

Important Health, Safety and Environmental Information:

pH:	6.5-7.5
Boiling Point:	NA
Flash Point:	NA
Explosive Limits:	None known
Oxidizing Properties:	N/A
Vapor Density:	N/A
Specific Gravity:	0.46
Solubility:	0
Fat Solubility:	0
Partition Coefficient:	N/A
Viscosity:	N/A
% volatile:	N/A
Evaporation Rate:	N/A
Wt/Gallon:	3.88 pounds/gallon, 464 grams/litre

10. Stability and Reactivity

Stability:	Stable
Incompatibility (materials to avoid):	None known
Hazardous Decomposition Products:	May produce toxic or harmful combustion products when heated to decomposition
Hazardous Polymerization:	Will not occur

11. Toxicological Information

Personal Precautions:	Use cloth or paper dust masks, NIOSH/OSHA device. Provide adequate ventilation. Use local exhaust as needed. Use eye, nose and mouth protection to minimize the risk of irritation.
Environmental Precautions and Cleanup Methods:	No emergency results from spillage; however, spills should be cleaned up promptly. Do not return material to its original container. Wear appropriate protective equipment. Sweep up material and place in appropriate waste container and dispose of according to local

regulations. Wash spill area after pickup is completed.

Chronic Effect and Medical Conditions

Acute Dermal Toxicity: Prolonged contact may cause irritation in sensitive individuals.
Acute Oral Toxicity: No acute oral toxicity is expected. This product is produced in accordance with GMP's for human foods.
Chronic Toxicity: None known
Mutagenicity: None known
Reproductive Effects: None known

12. Ecological Information

Ecotoxicity: None known
Mobility: None known
Persistence and Degradability: Biodegradable
Bioaccumulative Potential: None known
Other Adverse Effects: None known

13. Disposal Considerations

Methods of Disposal: No emergency results from spillage; however, spills should be cleaned up promptly. Do not return material to its original container. Wear appropriate protective equipment. Sweep up material and place in appropriate waste container and dispose of according to local regulations.
Waste Classification: Organic Kitchen Waste
European Waste Catalogue (EWC): 200108
Hazardous Waste: No

14. Transport Information

Regulatory Information	UN Number	Proper Shipping Name	Class	Packing Group	Label	Additional Information
ADR/RID Class AND Class IMDG Class IATA-DGR Class	N/A	Nu-FLOW/ rice concentrate	N/A	N/A	N/A	N/A

15. Regulatory Information

EU REGULATIONS

Symbols of Danger:	N/A
Risk Phrases:	N/A
Safety Phrases:	
Personal Precautions:	Use cloth or paper dust masks, NIOSH/OSHA device. Provide adequate ventilation. Use local exhaust as needed. Use eye, nose and mouth production to minimize the risk of irritation.
Environmental Precautions and Cleanup Methods:	No emergency results from spillage; however, spills should be cleaned up promptly. Do not return material to its original container. Wear appropriate protective equipment. Sweep up material and place in appropriate waste container and dispose of according to local regulations. Wash spill area after pickup is completed.
Contains:	Ground rice hulls
Product Use:	Anti-caking agent, flavor carrier

16. Other Information

EMERGENCY OVERVIEW

Effects of Overexposure:	Repeated inhalation of dust may cause respiratory tract irritation in susceptible individuals.
Inhalation:	Inhalation of dust can result in irritation to the mucous membranes of the respiratory tract.
Skin:	Prolonged contact may cause irritation in sensitive individuals.
Eyes:	In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes.
Ingestion:	No acute oral toxicity is expected. This product is produced in accordance with GMP's for human foods.
Risk Phrases:	N/A
Symbols of Danger:	N/A

RIBUS' Nu-FLOW® and Nu-FLAC® products are produced in accordance with Good Manufacturing Practices as outlined by the Food and Drug Administration for foods.

Person Responsible for Preparation:	Steve Dybdal
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	Emergency +1-406-493-5314

The opinions expressed herein are those of qualified personnel within RIBUS, Inc. It is believed that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of RIBUS, Inc., it is the user's obligation to assure safe use of the product.