

# Material Safety Data

FOR

***Oryza-Mul***<sup>™</sup>

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**Maker:** RIBUS, Inc.

Date Prepared:  
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**RIBUS, Inc.** makers of **ORYZA-MUL**<sup>™</sup> ingredients

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All information is presented in good faith without guarantee for the accuracy, sufficiency or results obtained and is accepted at user's risk. Nothing contained herein shall be construed as a recommendation for uses which infringe on valid patents or as extending a license under valid patents.

Product Name: **Oryza-Mul™****1. Product Identification**

Synonym(s): rice bran extract

Common Name (used on Label): Rice Extract, Rice Bran Extract

Chemical Name: NA

Chemical Formula: NA

Chemical Formula: NA

CAS Number: NA

**2. Ingredients/Summary of Hazards**

Ingredient(s): rice bran

Hazardous Components: None

**Warning Statement:** Repeated inhalation of dust may cause respiratory tract irritation in susceptible individuals.

**3. Physical Data**

Melting Point: NA

Boiling Point: NA

Specific Gravity: 0.5

Vapor Pressure: NA

Percent Volatile: 0

Vapor Density: NA

Evaporation Rate: NA

Solubility in Water: Readily

Odor: None

Appearance: Tan Powder

pH: 6.8-7.5

**4. Fire and Explosion Hazard Data**

Flash Point: NA

Flammability: LEL NA UEL NA

Extinguisher Media: CO2

Dry Chemical

Foam

Water

**Special Fire Fighting Procedures:** None Known**Unusual Fire Fighting Procedures:** As a grain based product, dust may form an explosive mixture with air. Avoid conditions that produce dust.**5. Reactivity Data**

Stability: Stable

Incompatibility (materials to avoid): None known

**Hazardous Decomposition Products or Byproducts:** May produce toxic or harmful combustion products when heated to decomposition.**Hazardous Polymerization:** Will not occur**Conditions to Avoid:** NA**6. Health Hazard Data/First Aid Procedures**

OSHA Exposure Limits: None Established

Chemical Name: Grain Dust (rice)

ACGIH: NA

Other: See Section 2

Effects of Single Overexposure:

Product Name: **Oryza-Mul™**

- Swallowing:** No acute oral toxicity is expected. This product is produced in accordance with GMP's for cosmetics.
- Skin Absorption:** Not a likely route of entry.
- Inhalation:** Inhalation of dust can result in irritation to the mucous membranes of the respiratory tract.
- Skin Contact:** Prolonged contact may cause irritation in sensitive individuals.
- Eye Contact:** Dust may cause eye irritation.

**Carcinogenicity:** This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as a probable human carcinogen.

**Signs and Symptoms of Overexposure:** Inhalation of dust can cause sensitization to susceptible individuals.

**Medical Conditions Possibly Aggravated by Overexposure:**

Allergy to rice protein.

**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.

## 7. Precautions for Safe Handling & Use

**Precautions to be Taken in Handling and Storage:** Use normal Good Manufacturing Practices in handling and storing material. Keep containers closed and dry prior to use.

**Steps to be Taken in Case Material is Released or Spilled:** 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.

## 8. Special Protection Information

**Respiratory Protection:** Use NIOSH/OSHA device

**Ventilation:** Provide adequate ventilation. Use local exhaust as needed.

**Protective Clothing:** Use eye, nose and mouth protection to minimize the risk of irritation.

## 9. Regulatory Status

Product Name: **Oryza-Mul™**

Transportation Status: Not regulated

Reportable Quantity (RQ), under US EPA CERCLA: None

#### 10. Additional Information

**RIBUS' Oryza-Mul™ products are produced in accordance with Good Manufacturing Practices as outlined by the Food and Drug Administration for cosmetics.**

**Person Responsible for Preparation:** Bob J. Dull, Vice President  
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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.