Rice Hulls
the Clean Label Alternative to SiO$_2$

Clean Label Conference 2015

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RIBUS, Inc.
Clean Label Source of Silica

- 20% Hulls
- 10% Bran
- 70% White
Rice Hulls Replace SiO$_2$

- 76% Carbohydrates
  - Cellulose
  - Crude Fiber
  - Hemicellulose
- ~20% Silica (plant based)

1:1 SiO$_2$ Replacer
Natural Silica + Fiber
Clean Label Source of Silica

**Functions**

- 1:1 Replacer SiO$_2$
- Anti-Caking
- Liquid to Powder
- Flavor Carrier
- Plating Substrate
Clean Label Source of Silica

**Functions**
- 1:1 Replacer SiO₂
- Anti-Caking
- Liquid to Powder
- Flavor Carrier
- Plating Substrate

**Applications**
- Spices / Seasonings
- Dry Sauces / Gravy
- Beverage Powders
- Capsules / Tablets
Distinguishing Properties

• Plant Based / Vegan
• USA Grown & Processed
• Sustainable
• Gluten Free / Non-GMO
• Kosher / Halal
• Export Friendly
• Maltodextrin Replacer (not water soluble)
Regulatory

- GRAS (Self Determination)
- Natural or Certified Organic
- Processing Aid
- Patented
- Non-Nano Particle
Brand Name

Nu-FLOW®

• Rice Concentrate
• Rice Fiber
• Rice Hulls
SiO$_2$ Outlawed in Organics

As of Nov. 3, 2014: SiO$_2$ is not allowed in Organics as long as Organic Rice Hulls are Commercially Available.

2015 Editor’s Choice for Best Organic Ingredient at Engredea / ExpoWest

Rice Hulls:
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Thank You