

Material Safety Data Sheet

RightFiber™ Corn Bran

The Ingredient House, LLC. urges the customer receiving this Material Safety Data Sheet to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents and contractors of the information on this sheet, (2) furnish a copy to each of your customers for the product and (3) request your customers to inform their employees and customers as well.

1. Identification of Substance	
Product:	RightFiber™ Corn Bran
Supplier:	The Ingredient House, LLC 293 Olmsted Blvd, Suite 5 Pinehurst, North Carolina 28374 Telephone: 910-235-4495 Fax: 887-542-4844 E-mail: support@theingredienthouse.com Web: www.theingredienthouse.com
Product Number:	RCBR-220 (Standard Grade)

2. Product Identification	
Synonyms:	Corn Bran, Insoluble Fiber
CAS No.:	9004-34-6 = Cellulose (~ 75%) 9025-56-3 = Hemi Cellulose (~ 25%) 9005-53-2 = Lignin (< 0.5%)
Molecular Weight:	Varies
Chemical Formula:	(C ₆ H ₁₀ O ₅) _n = Cellulose

3. Hazards Identification	
This product is considered non-hazardous by the criteria specified in 29 CFR 1910.12.00 (Hazard Communication).	
Emergency Overview	As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing. May cause slight irritation.
HMIS Health Rating:	1 - Slight
HMIS Flammability Rating:	0 - None
HMIS Reactivity Rating:	0 - None
HMIS Personal Protection:	E - Goggles; Gloves; Dust respirator
Storage Color Code:	Green (General Storage)
Potential Health Effects	
Inhalation:	Cellulose based fibers are considered a nuisance dust. May cause slight respiratory tract irritation.
Ingestion:	May cause slight gastrointestinal irritation.
Skin Contact:	May cause slight skin irritation.
Eye Contact:	May cause slight eye irritation.
Chronic Exposure:	This product is considered non toxic.

4. First Aid Measures	
Inhalation:	Not expected to require first aid measures. Treat symptoms and provide fresh air. Get medical advice if irritation develops.
Ingestion:	Not expected to require first aid measures. Drink plenty of water. Never give anything by mouth to and unconscious person. Get medical advice if irritation develops.
Skin Contact:	Not expected to require first aid measures. Wash exposed area with soap and water. Get medical advice if irritation develops.
Eye Contact:	Not expected to require first aid measures. Wash thoroughly with running water including under eyelids. Get medical advice if irritation develops.

Product:	Corn Bran	Doc Name:	Corn Bran MSDS 2-11		
Doc Effective Date:	2/4/11	Doc Revision:	1	Doc Expiration Date:	2/1/13
Date Printed:	2/4/11	Time:	11:59 AM	Page:	1 of 3

5. Fire Fighting Measures

Fire:	Slightly flammable to flammable in the presence of open flames and sparks.
Explosion:	Accumulation of overhead settled dust may form explosive concentrations in air when disturbed and dispersed. The propagation of flames through air-floated dust takes place usually following a small explosion which shakes down accumulated dust.
Fire Extinguishing Media:	Use any means suitable for extinguishing surrounding fire.
Special Information:	Use protective clothing and breathing equipment appropriate for the surrounding fire.

6. Accidental Release Measures

Maintain good housekeeping practices to minimize accumulation of settled dust, especially on overhead surfaces. Sweep up the spilled material and dispose of in accordance with the waste disposal method outlined in Section 13, "Disposal Considerations".

7. Handling and Storage

Use local exhaust or general dilution ventilation to control exposure to dust. To protect quality, store in a tight container in a cool, dry place. Optimal temperature for storage is less than 25 °C (77 °F). Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

Do not store near hazardous or odorous material.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:	Cellulose.
Ventilation System:	In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.
Personal Respirators (NIOSH Approved):	Whenever dust in the worker's breathing zone cannot be controlled with ventilation, the workers should wear respirators for protection against airborne dust.
Skin Protection:	Wear protective gloves and clean body-covering clothing.
Eye Protection:	Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:	Golden brown, Fibrous powder.
Odor:	Slight cereal.
Solubility in Water:	Insoluble.
pH of 1% Water Solution:	5.5 to 7.0
Specific Gravity:	Variable depending on species and moisture content.
Melting Point:	No Information found.
Auto Ignition Point:	> 380°C
Vapor Pressure:	N/A
Vapor Density (Air = 1):	N/A
Relative Density:	No Information found.
Oxidizing Properties:	N/A

10. Stability and Reactivity

Stability:	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:	When heated to decomposition, this product emits fumes of CO and CO ₂ .
Hazardous Polymerization:	Will not occur.

Product:	Corn Bran	Doc Name:	Corn Bran MSDS 2-11		
Doc Effective Date:	2/4/11	Doc Revision:	1	Doc Expiration Date:	2/1/13
Date Printed:	2/4/11	Time:	11:59 AM	Page:	2 of 3

Incompatibilities:	Strong oxidizing agents.
Conditions to Avoid:	Air movements which can create clouds of dust.

11. Toxicology Information

Toxicity Data:	Approved for use in food.
Carcinogen Status:	
Component Analysis:	No components are listed by IARC, OSHA, NTP or ACGIH.

12. Ecological Information

All data listed below are for Cellulose.	
Biodegradability:	Biodegradation in soil. Inherently biodegradable.
Ecotoxicological Information:	No information found.

13. Disposal Considerations

Dispose of waste in accordance with all applicable Federal, State, and local laws.
--

14. Transport Information

Not regulated.

15. Regulatory Information

U.S. Regulatory Information:	Corn bran is Generally Recognized As Safe (GRAS) by the United States Food and Drug Administration.
California Proposition 65:	This product does not contain any chemicals currently on the California list of known carcinogens and reproductive toxins.
TSCA:	CAS 9004-34-6, 9025-56-3, and 9005-53-2 are not listed on the TSCA inventory list.
EU Symbols:	Not classified as dangerous.

16. Other Information

NFPA Ratings:	Health: 1 , Flammability: 0 , Reactivity: 0 .
Label Hazard Warning:	As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.
Label Precautions:	Store in closed container. Avoid dust cloud. Maintain adequate ventilation.
Label First Aid:	Not applicable.

DISCLAIMER:

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal, state or local laws.

Product:	Corn Bran	Doc Name:	Corn Bran MSDS 2-11		
Doc Effective Date:	2/4/11	Doc Revision:	1	Doc Expiration Date:	2/1/13
Date Printed:	2/4/11	Time:	11:59 AM	Page:	3 of 3