



# MATERIAL SAFETY DATA SHEET.

## FERMENTED CORN FLOUR GRADE - II

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Product Name                      Fermented Corn Flour Grade -II

### Section 1: Composition and Information on Major Ingredients of Fermented Corn Flour Grade -II

Fermented Corn Flour Grade-II having NLT 99.0 and NMT 100.5 in powder form.

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### Section 2: Hazardous Identification: Emergency Overview

Moisture sensitive:	Light
Potential Health Effects:	
Eye	May cause eye irritation
Skin	May cause skin irritation
Ingestion	<b>May cause irritation of the digestive tract.</b>
Inhalation	May cause respiratory tract irritation
Chronic	Not available

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### **Section 3: First aid Measures**

**Inhalation:** If inhaled, remove from exposure, and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Ingestion:** Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 capfuls of milk or water. Never give anything by mouth to an unconscious person. Seek immediate medical attention

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### **Section 4: Fire and Explosion Data**

#### **General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

#### **Extinguishing Media:**

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

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### **Section 5: Accidental Release Measures**

#### **General Information:**

Use proper personal protective equipment as Indicated in Section 8.

#### **Spills/Leaks:**

Vacuum or sweep up material and place into a suitable disposal container. Reduce airborne dust and prevent scattering by moistening with water. Clean up spills immediately, observing precautions in the Protective Equipment section.

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### **Section 6: Handling and Storage**

#### **Handling:**

Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

#### **Storage:**

Store in a cool, dry place. Do not store in direct sunlight. Keep container closed when not in use.

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## Section 7: Exposure Control/Personal Protection

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

**Personal Protective Equipment:**

**Eyes:** Wear safety glasses and chemical goggles if splashing is possible.

**Skin:** Wear appropriate protective gloves and clothing to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize Contact with skin.

**Respirators:** Wear a NIOSH/MSHA or European Standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions.

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## Section 8: Product Specification

S. No.	PARAMETERS	SPECIFICATION
01	Description	White, Odorless or nearly odorless crystals or crystalline powder
02	Identification	Pass the test.
03	Solubility	Freely soluble in water
04	Moisture (%)	Not more than 1.0
05	Reducing sugars (%)	Not more than 0.5
06	Arsenic (ppm)	Not more than 3
07	Heavy Metals as Pb (ppm)	Not more than 20
08	Gluconic Acid (%) on dry basis	NLT 56.0
09	Assay (%) on dry basis	NLT 99.0 and NMT 100.5
10	Aerobic Plate Count	:::: 1000 cfu / gram
11	Yeast and Mold Count	::; 100 cfu (or sfu)/ gram
12	Total Coliforms	Negative

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## Section 9: Stability and Reactivity Data

**Stability** : The product is stable under normal temperatures and pressures.

**Conditions of instability:** Incompatible materials, light, exposure to moist air or water.

**Incompatibility with various substances:** Strong oxidizing agents, strong bases

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.

**Polymerization** Has not been reported.

## Section 10: Toxicological Information

**RTECS#:** CAS# 90-80-2: LZ5184000

**LD50/LCS0:** Not available.

**Carcinogenicity:** Fermented Glucose Grade -II-Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

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## Section 11: Ecological Information

**Ecotoxicity:** Not available.

**Biodegradation:** Biodegradable product.

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## Section 12: Disposal Considerations

**Waste Disposal:** Disposal must be of in accordance with federal, state and local environmental control regulations.

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## Section 13: Transport Information

**IATA:** Not regulated as a hazardous material.

**IMO:** Not regulated as a hazardous material.

**RID/ADR:** Not regulated as a hazardous material.

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## Section 14: Other Regulatory Information

**European/International Regulations:** European labeling in Accordance with EC Directives

**Hazard Symbols:** Not available.

**Risk Phrases:** Not available

**Safety Phrases:** S 24/25 Avoid contact with skin and eyes.

WOK (Water Danger/Protection)

CAS# 90-80-2:0

United Kingdom Occupational Exposure Limits

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## **Section 15: Other Information**

**Label Precautions:** Avoid contact with eyes, skin, and clothing. Keep in tightly closed container. Wash thoroughly after handling.

**Label First Aid:** In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse.

**Product Use:** Food Industry

### **Declaration:**

The information in this MSDS relates to this specific material. It may not be valid for this material if used in combination with any other materials or in any process. It is user's responsibility to satisfy themselves as to the suitability and completeness of this information for their own particular use.

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