

Rice Protein

1. Identification

Product	Rice Protein
Scope	Rice protein concentrate containing at least 80% protein, supplied as a dry powder for professional food-ingredient handling.
Use	Professional ingredient handling and formulation. This sheet is occupational safety information, not a therapeutic or consumption instruction.
Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Address	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / email	+86-21-54265599 / sales@zxchem.com.cn
Emergency contact	ZXCHEM office: +86-21-54265599, office hours, China time (UTC+8). This is not a 24-hour emergency service. For urgent exposure, contact local emergency medical services or a poison center.

2. Hazards Identification

Classification	No classified chemical health hazard is identified in the reviewed rice-protein concentrate references.
Label elements	No GHS pictogram assigned in those references.
Other hazards	Organic powder is combustible. Dust clouds can explode near ignition sources. Dust can irritate eyes and the respiratory tract; individual sensitivity is possible.
Precautions	Control airborne dust and ignition sources, provide suitable exhaust ventilation, and use eye protection and protective gloves.

3. Composition / Information on Ingredients

Ingredient	Rice-derived protein concentrate
Protein content	At least 80%
Remaining constituents	Naturally accompanying rice fractions; no exact fractions are asserted.
CAS / formula	A single CAS number, molecular formula and molecular weight are not assigned to the whole mixed ingredient.

4. First Aid Measures

Inhalation	Move to fresh air without exposing the rescuer. Keep at rest. Seek medical care if symptoms occur.
Skin	Remove contaminated clothing. Wash thoroughly with water and soap. Obtain medical advice for irritation or rash.
Eyes	Rinse gently with water for several minutes. Remove contact lenses if easy; continue rinsing. Seek medical care if discomfort persists.
Swallowing	Rinse mouth. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical advice.

5. Fire-Fighting Measures

Extinguishing media	Water spray, dry chemical, foam or carbon dioxide, selected for the surrounding fire.
Specific hazards	Combustible organic powder; suspended dust may explode. Avoid dispersing settled powder with a high-pressure water jet.
Protection	Use self-contained breathing apparatus and suitable fire-protective clothing. Control contaminated firewater.

6. Accidental Release Measures

Personal precautions	Isolate the spill area. Limit access to trained personnel. Avoid airborne dust and direct contact. Use the protection in Section 8.
Containment / cleanup	Collect carefully with equipment appropriate for fine powders. Put waste in a closed, labeled container. Do not disperse dust with compressed air.
Environment	Prevent entry into drains, soil and surface water.

7. Handling and Storage

Handling	Control dust during weighing and transfer. Keep packaging closed, use suitable ventilation and wash hands after handling.
Storage	Store sealed in a cool, dry, ventilated place away from moisture and strong oxidizers. Follow the batch label for quality-preserving temperature.
Segregation	Keep separate from incompatible chemicals and strong odors.

8. Exposure Controls / Personal Protection

Exposure limits	No product-specific occupational limit is supplied here. Apply relevant local workplace standards.
Engineering controls / PPE	Use enclosed transfer or local exhaust to limit dust. Select protective gloves, goggles and work clothing for the task. Use an approved particulate respirator when ventilation does not adequately control exposure; follow local occupational limits and respiratory protection procedures.
Hygiene	Keep contaminated workwear separate. Provide an eye-rinse facility where powder is handled.

9. Physical and Chemical Properties

Appearance	Faint-yellow to light-brown, free-flowing powder
Odor	Characteristic rice-protein odor
pH	5.0-7.0 in a 5% dispersion at approximately 28-30 degrees C (reference grade)
Flash / melting / boiling points	Not applicable to this mixed dry powder
Other data	Dust explosion limits, bulk density and ignition temperature: quantitative data not reported. No single molecular formula or molecular weight applies.

10. Stability and Reactivity

Stability	Maintain the labeled storage conditions and protect the container from damage.
Conditions to avoid	Excessive heat, contamination, moisture where relevant, and uncontrolled dust accumulation.
Incompatibilities	Strong oxidizing agents
Decomposition	Combustion can release carbon oxides and other harmful gases; do not inhale fumes.

11. Toxicological Information

Health effects	Powder can mechanically irritate eyes and the respiratory tract. Avoid unintended ingestion and control occupational exposure.
Quantitative endpoints	No batch-specific acute or repeated-dose values are provided.

12. Ecological Information

Environmental precautions	Avoid uncontrolled discharge. Collect spills and dispose of residues through an authorized route.
Ecotoxicity / fate	Quantitative aquatic toxicity, persistence, bioaccumulation and soil mobility data are not reported for the supplied batch.

13. Disposal Considerations

Product waste	Dispose through an authorized waste contractor according to the local classification of the waste. Do not pour residues into drains.
Packaging	Keep contaminated packaging closed and labeled. Do not reuse for food or drink; apply local disposal requirements.

14. Transport Information

Classification	Not regulated as dangerous goods for the reviewed dry rice-protein concentrate grade.
UN number / class / packing group	Not assigned
Land / sea / air	No dangerous-goods restrictions identified in the matching concentrate references; IATA not regulated.
Transport precautions	Protect sealed packaging from moisture, physical damage, contamination and strong odors.

15. Regulatory Information

Safety classification	Use the GHS hazard and transport classifications in Sections 2 and 14 for this grade.
Market requirements	Chemical inventory, food, feed, cosmetic or pharmaceutical authorizations are separate from this SDS. The importer and user must meet the requirements applicable to the destination and intended use.

16. Other Information

Revision	2026.2; revision date 2026-10-11
Use of this sheet	Occupational safety information for the grade explicitly identified in Section 1. It is not a batch COA or an authorization for food, medical or cosmetic use. Different mixtures require a separate assessment.
Abbreviations	GHS: Globally Harmonized System; IMDG: maritime dangerous goods code; IATA: air transport dangerous goods regulations; PPE: personal protective equipment.

Supplier Contact

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