

# MATERIAL SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Konjac Gum  
**Other name:** Konjac Powder, Konjac Flour, Konjac Glucomannan.  
**Products Usage:** Food and beverages as gelling agent, thickener, stabilizing agent, water-binding agent and film forming.  
**Manufacturer:** Hubei Yizhi Konjac Biotechnology Co, .Ltd.  
**Manufacturing Address:** No 438 , Changyang Road, Economic Development Zone, Changyang, Hubei Province, China.  
**Tel/ Fax:** 86-717-6850363  
**Website:** www.easykonjac.com  
**Emergency phone number:** 400-6600-648 (ALL HOURS)

## SECTION 2: HAZARDS IDENTIFICATION

Not classified as Dangerous Goods by the criteria of the "IATA Dangerous Goods Regulations (DRG) 64<sup>th</sup> Edition" and "IMO International Maritime Dangerous Goods Code (2020) Edition" for transport by Plane, ship, Road and Rail;

NON-DANGEROUS GOODS

Based on available information, not classified as hazardous according to Safe Work China;

NON-HAZARDOUS SUBSTANCE.

**Eye:** Dust can cause eye irritation. Symptoms include stinging, tearing redness, and swelling of eyes.

**Skin:** Unlikely to cause skin irritation or injury.

**Swallowing:** Swallowing this material is not likely to be harmful.

**Inhalation:** This material is a dust or may produce dust. Breathing small amount of this material is not likely to be harmful.

**Symptoms of exposure:** No data.

**Target organ effects:** No data.

**Developmental information:** There are no data available for assessing risk to the fetus from material exposure to this material.

**Cancer information:** There is no information available. The chance of this material causing cancer is unknown. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational

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Safety and Health Administration.

**Other health effects:**

This material can form dust, which may cause skin or mucous membrane irritation. Symptoms may include redness, burning, and swelling. Although they may cause respiratory tract irritation, nuisance dusts do not form scar tissue or affect that structure of air spaces in the lungs. Their effects on the tissues are potentially reversible.

**Primary routes of entry:**

Inhalation, Skin contact, Eye contact.

**SECTION 3: COMPOSITION AND INFORMATION OF INGREDIENTS**

Product Name	Components	CAS Number	Generic ID	Hazard Codes
Konjac Gum	Glucomannan	37220-17-0	Plant Gum	-

**SECTION 4: FIRST AID MEASURES****For advice:**

Contact a Poisons Information Centre or a doctor.

**Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15minutes. Get medical attention if irritation occurs.

**Skin Contact:**

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Serious Skin Contact:**

Not available.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:**

Not available.

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:**

Not available.

**Indication of immediate medical attention and special treatment needed:** Treat symptomatically.

**SECTION 5: FIRE FIGHTING MEASURES****Flash point:**

Not applicable.

**Explosive limit:**

Not applicable.

**Autoignition temperature:**

No data.

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**Hazardous products of combustion:** May form carbon dioxide and carbon monoxide.  
**Fire and explosion hazards:** Organic dusts can form explosive mixtures in air.  
**Extinguishing media:** Regular foam, water fog, carbon dioxide, and sand.  
**Firefighting instructions:** Wear a self-contained breathing apparatus with a full face piece. Operate in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.  
**NFPA Rating:** Health-1, Flammability-1, Reactivity-0

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.  
**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling:** Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under fume hood. Ground all equipment containing material. Do not breathe dust.  
**Conditions for safe storage:** Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Keep containers tightly closed when not in use - check regularly for spills. Keep container in a cool, well-ventilated area.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Spill, leak and waste disposal procedures:** Use vacuum or broom for sweeping & remove to disposal container. If the container is damp-flush with water.  
**Water Disposal:** Dispose of in approved disposal site according to Local, State & Federal-Regulations. May be incinerated where permitted. (Rinse with water into-approved sewer or bury in approved landfill. Mixing with water produces a-very

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viscous solution.)

<b>Eye Protection:</b>	Wear safety glasses in compliance with OSHA regulations. (Consult your safety representative.)
<b>Skin Protection:</b>	Wear resistant glove such as latex.
<b>Respiratory:</b>	3M Dust respirator No. 8710 or 9900 is recommended or a NIOSH/MSHA jointly approved dust respirator.
<b>Engineering Controls:</b>	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).
<b>Exposure Guidelines:</b>	Component.
<b>Exposure Limits:</b>	Not available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Off White to Beige Speckled powder
<b>PHYSICAL FORM:</b>	Powder
<b>COLOR:</b>	Off White to Beige
<b>ODOR:</b>	Odorless (Konjac characteristic)
<b>MEALTING POINT:</b>	No data
<b>VAPOR PRESSURE(mm HG):</b>	No data
<b>BOILING POINT:</b>	No data
<b>SOLUBILITY IN WATER:</b>	Complete
<b>EVAPORATION RATE(n-BuAe-1):</b>	No data
<b>LIQUID DENSITY:</b>	No data
<b>PERCENT VOLATILES:</b>	No data
<b>STATE:</b>	Solid

## SECTION 10: STABILITY AND REACTIVITY DATA

<b>Chemical stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Product will not undergo hazardous polymerization.
<b>Hazardous Decomposition:</b>	May form carbon dioxide and carbon monoxide.
<b>Incompatibility/material to avoid:</b>	Strong oxidizing agents.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Routes of Entry:</b>	Inhalation. Ingestion
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<b>Toxicity to Animals:</b>	LD50: Not available. LC50: Not available.
<b>Chronic Effects on Humans:</b>	Not available.
<b>Other Toxic Effects on Humans:</b>	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
<b>Special Remarks on Toxicity to Animals:</b>	Not available.
<b>Special Remarks on Chronic Effects on Humans:</b>	Not available.
<b>Special Remarks on other Toxic Effects on Humans:</b>	Acute Potential Health Effects: Skin: It is unlikely to cause skin irritation or injury. Eyes: Dust can cause mechanical eye irritation. Inhalation: This material may produce dust. Breathing small amounts of this material is not likely to be harmful. Ingestion: Swallowing this material is not likely to be harmful. The toxicological properties of this substance have not been fully investigated.

## SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Not available.
<b>BOD5 and COD:</b>	Not available.
<b>Products of Biodegradation:</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>Toxicity of the Products of Biodegradation:</b>	Not available.
<b>Special Remarks on the Products of Biodegradation:</b>	Not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

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

## SECTION 14: TRANSPORT INFORMATION

**Road and Rail Transport** Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.  
**Marine Transport** Not classified as Dangerous Goods by the criteria of IMO International Maritime Dangerous Code (2020) Edition for transport by sea; NON-DANGEROUS GOODS.  
**Air Transport** Not classified as Dangerous Goods by the criteria of the IATA Dangerous Goods Regulation (DRG) 64<sup>th</sup> Edition for transport by plane; NON-DANGEROUS GOODS.

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**DOT Classification:** Not a DOT controlled material (United States).

**SECTION 15: REGULATORY INFORMATION**

**US Federal Regulations:**

TSCA (TOXIC SUBSTANCES CONTROL ACT) STATUS: TSCA (United States)  
the intentional ingredients of this product are listed.  
CERCLA RQ-40 CFR 302.4(a): None listed.

CERCLA RQ-40 CFR 302.4(b): Materials without a “listed” RQ may be reportable as an “unlisted hazardous substance”. See 40 CFR 302.5 (b).  
SARA 302 COMPONENTS-40 CFR 355 APPENDIX A: None.  
SECTION 311/312 HAZARD CLASS-40 CFR 370.2: Immediate ( ), Delayed ( ), Fire ( ), Reactive ( ), Sudden ( ), Release of Pressure ( )  
SARA 313 COMPONENTS-40CFR 372.65: None.

**International Regulations:** Inventory status-not determined.

**State and Local Regulations:** California Proposition 65-none.

**SECTION 16: OTHER INFORMATION**

This safety data sheet has been prepared by Hubei Yizhi Konjac Biotechnology Co, .Ltd.  
Reason for Issue: Publish the Safety Data Sheet document for Konjac Gum Manufacturing.

DOT INFORMATION-49 CFR 172.101  
DOT DESCRIPTION: NON-REGULATED BY D.O.T.  
CONTAINER/MODE: 25 KG Bag OR 20 KG BAG/CARTON/CONTAINER  
PACKAGE  
NOS COMPONENT: NONE.

RQ (reportable Quantity)-49 CFR 172.101: Not applicable.

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**LIMITED WARRANTY**

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