

## Material Safety Data Sheet Konjac Gum

### Section 1: Chemical Product and Company Identification

**Product Name** : Konjac Gum  
**Company Identification** : Tradeasia International Pte Ltd  
**Email** : contact@chemtradeasia.com

### Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Konjac Gum	37220-17-0	≥90

Toxicological Data on Ingredients: LD50 Oral > 5000 mg/kg. LD50 Dermal > 2,000 mg/kg [Rat]

### Section 3: Hazards Identification

**Potential Acute Health Effects:** Repeated inhalation of dust may cause allergic reaction in very susceptible persons. Powder becomes slippery when wet.

**Potential Chronic Health Effects:** Not available.

### Section 4: First Aid Measures

**Eye Contact:** Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

**Skin Contact:** Wash with water and soap as a precaution.

**Serious Skin Contact:** Not available.

**Inhalation:** Move to fresh air. May cause allergic respiratory reaction. If breathing is irregular or stopped, administer artificial respiration. Consult a physician.

**Serious Inhalation:** Not available

**Ingestion:** Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention if symptoms occur.

**Serious Ingestion:** Not available.

### Section 5: Fire and Explosion Data

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available

**Flash Points:** Not available

**Flammable Limits:** Not available

**Products of Combustion:** These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>) and sulfur oxides

**Fire Hazards in Presence of Various Substances:** Slightly flammable to flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks

**Explosion Hazards in Presence of Various Substances:** Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks, of heat.

**Fire Fighting Media and Instructions:** SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

## 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:** Poisonous solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

## Section 7: Handling and Storage

**Precautions:** Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

## Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves

**Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available.

### Section 9: Physical and Chemical Properties

<b>Physical state and appearance</b>	: Solid (powder)
<b>Odor</b>	: Slight marine odor
<b>Taste</b>	: Not available.
<b>Molecular Weight</b>	: Not available.
<b>Color</b>	: White or cream-color
<b>pH (1% soln./water)</b>	: 5.0 - 7.0
<b>Boiling Point</b>	: Not applicable
<b>Melting Point</b>	: Not applicable
<b>Critical Temperature</b>	: Not available.
<b>Specific Gravity</b>	: Not available.
<b>Vapor Pressure</b>	: Not applicable.
<b>Vapor Density</b>	: Not available.
<b>Volatility</b>	: Not available.
<b>Odor Threshold</b>	: Not available.
<b>Water/Oil Dist. Coeff.</b>	: Not available.
<b>Ionicity (in Water)</b>	: Not available.
<b>Dispersion Properties</b>	: Not available.
<b>Solubility</b>	: 5% by weight

### Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available

**Incompatibility with various substances:** Strong oxidizers

**Corrosivity:** Not available

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available

**Polymerization:** Will not occur.

## Section 11: Toxicological Information

**Routes of Entry:** Inhalation. Ingestion.

**Toxicity to Animals:** Skin contact Non-irritating (rabbit). (Primary Irritation Index (PII)= 0/8.0). Eye contact: Non-irritating (rabbit).

**Chronic Effects on Humans:** Contains no ingredient listed as a carcinogen.

**Other Toxic Effects on Humans:** Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause irritation of respiratory tract. Ingestion: Low order of toxicity based on components. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration may cause chemical pneumonitis.

**Special Remarks on Toxicity to Animals:** LD50 Oral > 5000 mg/kg. LD50 Dermal > 2,000 mg/kg (Rat)

**Special Remarks on Chronic Effects on Humans:** Reproductive toxicity: No information available. Developmental Toxicity: No information available

**Special Remarks on other Toxic Effects on Humans:** Non-sensitizing. Inhalation of dust produces allergic respiratory effects in sensitized individuals, including asthma, coughing, wheezing and shortness of breath. Not mutagenic in Ames Test. Did not show mutagenic effects in animal experiments.

## Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:** Not available.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** 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

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

**Identification:** Not available.

**Special Provisions for Transport:** Not available.

### Section 15: Other Regulatory Information

**Federal and State Regulations:** SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**Other Regulations:** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

**Other Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSCL (EEC):** Not available.

**HMIS (U.S.A.):**

**Health Hazard:** 1

**Fire Hazard:** 1

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

**Health:** 1

**Flammability:** 1

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:** Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

### Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

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