

## Material Safety Data Sheet Guar Gum

### Section 1 - Product Identification

Product Name : Guar Gum  
Company Identification : Tradeasia International Pte. Limited  
Address : 133 Cecil Street # 12-03 Keck Seng Tower, Singapore  
Tel : +65-6227 6365  
Fax : +65-6225 6286  
Email : [contact@chemtradeasia.com](mailto:contact@chemtradeasia.com)

### Section 2 – Hazards Identification

**Hazard Overview** No significant hazards expected.

### Section 3 – Composition/Information on Ingredients

Component	CAS-No	PERCENT (w/w)	ACGIH TLV- TWA	OSHA PEL-TWA
Guar Gum	9000-30-0	60 - 100%	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>

### Section 4 – First-Aid Measures

**Inhalation** If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

**Skin** Wash with soap and water. Get medical attention if irritation persists.

**Eyes** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**Ingestion** If swallowed, give at least 3-4 glasses of water, but do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention.

**Notes to Physician** Not Applicable

## Section 5 – Fire Fighting Measures

Flash Point/Range (F):	Not Determined Min: > 200
Flash Point/Range (C):	Not Determined Min: > 93
Flash Point Method:	Not Determined
Autoignition Temperature (F):	545
Autoignition Temperature (C):	285
Flammability Limits in Air - Lower (%):	Not Determined
Flammability Limits in Air - Lower (oz./ft <sup>3</sup> ):	0.4
Flammability Limits in Air - Upper (%):	Not Determined

**Fire Extinguishing Media** Water fog, carbon dioxide, foam, dry chemical.

**Special Exposure Hazards** Decomposition in fire may produce toxic gases. Organic dust in the presence of an ignition source can be explosive in high concentrations. Good housekeeping practices are required to minimize this potential.

**Special Protective Equipment for Fire-Fighters** Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

**NFPA Ratings:** Health 1, Flammability 0, Reactivity 0  
**HMIS Ratings:** Health 1, Flammability 0, Physical Hazard 0

## Section 6 – Accidental Release Measures

**Personal Precautions Measures** Use appropriate protective equipment. Avoid creating and breathing dust.

**Environmental Precautions Measures** Prevent from entering sewers, waterways, or low areas.

**Procedure for Cleaning / Absorption** Scoop up and remove.

## Section 7 – Handling and Storage

**Handling Precautions** Avoid contact with eyes, skin, or clothing. Avoid creating or inhaling dust. Slippery when wet.

**Storage Information** Store in a cool, dry location. Store away from oxidizers. Keep from heat, sparks, and open flames. Product has a shelf life of 6 months.

## Section 8 – Exposure Controls/Personal Protection

<b>Engineering Controls</b>	Use in a well ventilated area.
<b>Respiratory Protection</b>	<p>If engineering controls and work practices cannot keep exposure below occupational exposure limits or if exposure is unknown, wear a NIOSH certified, European Standard EN 149, AS/NZS1715:2009, or equivalent respirator when using this product. Selection of and instruction on using all personal protective equipment, including respirators, should be performed by an Industrial Hygienist or other qualified professional.</p> <p>Not normally needed. But if significant exposures are possible then the following respirator is recommended: Dust/mist respirator. (N95, P2/P3)</p>
<b>Hand Protection</b>	Normal work gloves.
<b>Skin Protection</b>	Normal work coveralls.
<b>Eye Protection</b>	Wear safety glasses or goggles to protect against exposure.
<b>Other Precautions</b>	None known.

## Section 9 – Physical and Chemical Properties

<b>Physical state:</b>	Powder
<b>Color:</b>	Light tan
<b>Odor:</b>	Odorless
<b>pH:</b>	5.2-6.5
<b>Specific Gravity @ 20 C (Water=1):</b>	2
<b>Density @ 20 C (lbs./gallon):</b>	Not Determined
<b>Bulk Density @ 20 C (lbs/ft3):</b>	36
<b>Boiling Point/Range (F):</b>	Not Determined
<b>Boiling Point/Range (C):</b>	Not Determined
<b>Freezing Point/Range (F):</b>	Not Determined
<b>Freezing Point/Range (C):</b>	Not Determined
<b>Vapor Pressure @ 20 C (mmHg):</b>	Not Determined
<b>Vapor Density (Air=1):</b>	Not Determined
<b>Percent Volatiles:</b>	Not Determined
<b>Evaporation Rate (Butyl Acetate=1):</b>	Not Determined
<b>Solubility in Water (g/100ml):</b>	Forms gel
<b>Solubility in Solvents (g/100ml):</b>	Not Determined
<b>VOCs (lbs./gallon):</b>	Not Determined
<b>Viscosity, Dynamic @ 20 C (centipoise):</b>	Not Determined

**Viscosity, Kinematic @ 20 C (centistokes):** Not Determined  
**Partition Coefficient/n-Octanol/Water:** Not Determined  
**Molecular Weight (g/mole):** Not Determined

## Section 10 – Stability and Reactivity

**Stability Data:** Stable

**Hazardous Polymerization:** Will Not Occur

**Conditions to Avoid** None known.

**Incompatibility (Materials to Avoid)** Strong oxidizers.

**Hazardous Decomposition Products** Carbon monoxide and carbon dioxide.

**Additional Guidelines** Not Applicable

## Section 11 – Toxicological Information

**Principal Routes of Exposure** Eye or skin contact, inhalation.

### Symptoms related to exposure

#### **Acute Toxicity**

**Inhalation** May cause allergic respiratory reaction. May cause respiratory irritation.

**Eye Contact** May cause eye irritation

**Skin Contact** May cause mild skin irritation. Can dry skin.

**Ingestion** May act as obstruction if swallowed.

**Chronic Effects/ Carcinogenicity** Generally Recognized As Safe (GRAS)

### **Toxicology data for the components**

Substance	CAS No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Guar gum	9000-30-0	6770 mg/kg (Rat) > 5000 mg/kg (Rat)	> 1060 mg/kg (Rabbits)	11.4 mg/L (Rat, 4h)

## Section 12 – Ecological Information

### Ecotoxicological Information

#### Ecotoxicity Product

Acute Fish Toxicity: Not determined  
 Acute Crustaceans Toxicity: Not determined  
 Acute Algae Toxicity: Not determined

#### Ecotoxicity Substance

Substance	CAS No	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Guar gum	9000-30-0	No information available	LC50(96h): 218 mg/L (Oncorhynchus mykiss)	No information available	EC50(48h): 42 mg/L (Daphnia magna)

#### Persistence and degradability

No information available

#### Bioaccumulative potential

No information available

#### Mobility in soil

No information available

#### Results of PBT and vPvB assessment

No information available.

#### Other adverse effects

## Section 13 – Disposal Considerations

**Disposal Method** Bury in a licensed landfill according to federal, state, and local regulations.

**Contaminated Packaging** Follow all applicable national or local regulations.

## Section 14 – Transport Information

#### US DOT

UN Number: Not restricted  
 UN Proper Shipping Name: Not restricted  
 Transport Hazard Class(es): Not applicable

**Packing group:** Not applicable

**US DOT Bulk**

**DOT (Bulk)** Not Applicable

**Canadian TDG ul0**

**UN Number:** Not restricted

**UN Proper Shipping Name:** Not restricted

**Transport Hazard Class(es):** Not applicable

**Packing group:** Not applicable

**IMDG /IMO**

**UN Number:** Not restricted

**UN Proper Shipping Name:** Not restricted

**Transport Hazard Class(es):** Not applicable

**Packing group:** Not applicable

**IATA/ICAO**

**UN Number:** Not restricted

**UN Proper Shipping Name:** Not restricted

**Transport Hazard Class(es):** Not applicable

**Packing group:** Not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

**Special Precautions for User:** None

## Section 15 – Regulatory Information

### US Regulations

**US TSCA Inventory** All components listed on inventory or are exempt.

**EPA SARA Title III Extremely Hazardous Substances** Not applicable

**EPA SARA (311,312) Hazard Class** Acute Health Hazard

**EPA SARA (313) Chemicals** This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372).

**EPA CERCLA/Superfund Reportable Spill Quantity** Not applicable.

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<b>EPA RCRA Hazardous Waste Classification</b>	If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.
<b>California Proposition 65</b>	All components listed do not apply to the California Proposition 65 Regulation.
<b>MA Right-to-Know Law</b>	Does not apply.
<b>NJ Right-to-Know Law</b>	Does not apply.
<b>PA Right-to-Know Law</b>	Does not apply.
<b>Canadian Regulations</b>	
<b>Canadian DSL Inventory</b>	All components listed on inventory or are exempt.
<b>WHMIS Hazard Class</b>	Un-Controlled

#### Section 16 : Additional Information

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