



MATERIAL SAFETY DATA SHEET

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1-613-996-6666 – CANUTEC – Transportation Emergency
1-888-243-9771 – ChExSS – Chemical Exposure

GUAR GUM HP

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: GUAR GUM
Chemical Family: Galactomannan
WHMIS Classification: Not controlled
Workplace Hazard: Treat as a nuisance dust
CAS #: 9000-30-0

Product Use: Non-thixotropic viscosifier
TDG Classification: Not Regulated
Packaging Group: Not applicable
PIN: Not applicable

SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD ₅₀ (Species/Route)	LC ₅₀ (Species/Route)
		None		

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

EFFECTS OF ACUTE EXPOSURE: MAY CAUSE SKIN IRRITATION. May cause sensitization by skin contact. EXCESS INTAKE OF Guar gum may result in nausea, flatulence, abdominal cramps, and diarrhea. Guar gum readily absorbs water and swells, and should thus not be ingested as a dry powder since it could cause esophageal obstruction as a result of swelling up in the esophagus rather than the stomach, causing choking or even rupture of the esophagus. Inhaling dust may cause mild irritation of upper respiratory tract. Raw guar contains natural proteins that can cause allergic reactions such as asthma and rhinitis, and may cause sensitization. Processed guar, such as this product, contains far less protein and therefore has a lower risk of sensitization.

Effects of chronic exposure: No information available

Exposure limits: No information available

Irritancy of product: No information available

Sensitization to product: No information available

Carcinogenicity: No information available

Reproductive toxicity: No information available

Teratogenicity: No information available

Mutagenicity: No information available

Name of toxicological synergistic products: No information available



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SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Wash with soap and water. Material will become slippery and swell on contact with water. Brush away excess chemical and remove contaminated clothing. Wash affected area thoroughly with soap and water. Caution: Material will become slippery and swell on contact with water.

Eye contact: Flush with gently flowing warm water until particles are removed. Remove any contact lenses to assure thorough flushing. If irritation persists obtain medical attention.

Inhalation: Move to fresh air. Apply oxygen or artificial respiration as required. If breathing difficulties or distress continues obtain medical attention.

Ingestion: No serious side effects expected. If symptoms develop obtain medical attention.

SECTION V: PHYSICAL DATA

Physical state: Solid.

Appearance and odour: Free flowing white powder; no appreciable odour.

Odour threshold: Not applicable

Specific gravity: 0.68

Vapor pressure (mmHG): Not applicable

Vapor density (Air=1): Not applicable

Evaporation rate: Not applicable

Boiling point (°C): Not applicable

Freeze/Melting point (°C): Not applicable

pH: 5.0 - 6.5

Co-efficient of water/oil distribution: Forms colloidal suspension/slurry.



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SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: Material is organic and may form explosive dust-air mixtures in the presence of ignition sources.

Means of extinguishing: Use dry chemical, CO₂, foam or water spray.

Flash point: Not applicable

Upper flammable limit: Not applicable

Lower flammable limit: Not applicable

Auto-ignition temperature: Not applicable

Hazardous combustion products: Oxides of carbon.

Explosion data-sensitivity to mechanical impact: Not applicable

Explosion data-sensitivity to static discharge: Not applicable

SECTION VII: REACTIVITY DATA

Chemically unstable (conditions): Stable.

Product incompatible with: None known.

Conditions of reactivity: Not known

Hazardous decomposition products: Oxides of carbon.



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SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: Suggest goggles and dust mask; nuisance dust. Use approved respirator with dust cartridges if level of airborne dust exceeds TLV. Ensure emergency eye wash station and safety shower are available.

Specific engineering controls: No special requirements. Use local exhaust ventilation, process enclosure or other engineering controls as required to maintain level of airborne dust below TLV.

Procedures for leak/spills: Use appropriate safety equipment. Vacuum or sweep-up if dry. If wet, pick up with dry material such as sand or dirt. Avoid flushing with water as material becomes slippery. Collect uncontaminated material for repackaging. Collect contaminated material for disposal in an approved container for disposal.

Waste disposal: Dispose in accordance with federal, provincial and local regulations. Landfill is suggested. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Empty packages must be disposed of, or recycled, in accordance with local regulations.

Handling procedures and equipment: Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Wear respiratory protection if used in a confined space. Launder contaminated clothing before reuse.

Storage requirements: Store in sealed containers in a dry place away from heat and sunlight. **WARNING:** Static charges generated by emptying package in or near flammable vapours may cause flash fire. May form flammable dust-air mixtures. Avoid ignition sources such as sparks and flame. Ground all equipment. In addition, when emptying bags where flammable vapours may be present, blanket vessel with inert gas, ground operator, and pour material slowly into conductive, grounded chute. For bulk bags of 1000 kg or greater a grounding cable must be attached to the bag ground connection.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: March 1, 2010

Prepared by: Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.