

Date: 10/07/2015

**Product Identifier**

**Substance name:**

**CAS No.:**

**Molecular weight:**

**Synonyms:**

**Use of the substance/mixture:**

**Supplier:**

Product form: Substance

Guar gum

900030-0

1-2 X 106 DALTONS

Guar Cyamopsis, Guar Flour

Thickener, Stabilizer and Emulsifier

**Phone:**

**Email:**

**Emergency number:**

Bulk Apothecary  
FRAGRANCES - FLAVORS - ESSENTIAL OILS  
125 Lena Drive Aurora, OH 44202  
www.bulkapothecary.com

24 HOUR EMERGENCY: 18007282482  
OTHER INFORMATION: 13305628022

**Classification of the substance**

**GHS-US classification:**

Not Classified

**Label elements**

**GHS-US labeling:**

Not required

**Hazard pictograms (GHS-US):**

Not required

**Signal word (GHS-US):**

No signal word

**Hazard statements (GHS-US):**

Not applicable

**Precautionary statements (GHS-US):**

**If in Eyes:** Rinse cautiously with water for several minutes.  
Remove contact lenses, if present, Continue rinsing.  
**If swallowed:** Call a doctor if you feel unwell.  
**If on skin:** Wash with plenty of water.  
**If inhaled:** Move to fresh air and seek medical advice.

**NFPA RATING**



**HMIS Classification**



Component Name	Product Identifier	Weight %
Guar Gum	(CAS No. 9000-30-0)  (EINECS No. 232-536-8)	100

#### Description of first aid measures

**First-aid measures general:** No Special precaution needed

**First-aid measures after inhalation:** If large quantities of dust are inhaled, keep the airway open. Move immediately to fresh air and seek Medical advice.

**First-aid measures after skin contact:** After contact with skin, wash with warm soapy water. If any irritation persists, seek medical advice

**First-aid measures after eye contact:** After contact with eyes, flush immediately with plenty of water. If irritation develops, seek medical advice.

**First-aid measures after ingestion:** If Guar gum powder is swallowed, seek medical attention may cause gastrointestinal blockage. Do not give laxatives. Do not induce vomiting unless directed to do so by medical personnel.

#### Most important symptoms and effects, both acute and delayed

**Symptoms/injuries:** Eye irritation.

**Symptoms/injuries after inhalation:** Coughing, Sore throat, Nasal Congestion, Sneezing and shortness of breath.

**Symptoms/injuries after ingestion:** Irritation of the digestive tract, choking, suffocation.

#### Extinguishing media

**Suitable extinguishing media:** Water, foam or CO<sub>2</sub> extinguishers may be used on fires involving Guar Gum.

**Unsuitable extinguishing media:** Do not use streams of water as dust dispersed by water streams can explode.

#### Special hazards arising from the substance or mixture

**Fire hazard:** Carbon oxides

**Explosion hazard:** - There is a risk of dust explosion if fine particles mix with air.

#### Advice for firefighters

**Firefighting instructions:** Guar gum will burn when in contact with flame but self-extinguishes when the flame is removed. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Protection during firefighting:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### Personal precautions, protective equipment and emergency procedures

Spilled material may cause a slipping hazard. Avoid dust formation. Keep unnecessary and unprotected personnel from entering the area. For additional information, refer to section-8: Exposure controls and personal protection.

#### Environmental precautions

There is a risk of dust explosion if fine particles mix with air. Prevent from entering into soil, ditches, sewers, waterways and/or ground water. For additional information, refer to section-12: Ecological information.

#### Methods and material for containment and cleaning up

**For containment:** Clean up spills immediately, sweep up or vacuum, then place in to a suitable clean, dry and properly labeled closed container for disposal. Do not flush affected area with water unless absolutely necessary. Wetted surfaces can become extremely slippery. If wetted, flush thoroughly with water until all products is removed.

**Methods for cleaning up:** Recover dry product by vacuum or brush and shovel.

#### Precautions for safe handling:

**Handling:** No smoking, open flames or sources of ignition in handling and storage area. Wear appropriate personal protective equipment. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Ensure adequate ventilation.

#### Conditions for safe storage, including any incompatibilities:

**Storage conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**Incompatible with:** Strong-oxidizing agents

#### Exposure Limits: Contains no substances with occupational exposure limit

##### Exposure controls

Appropriate engineering controls : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Hand protection : Not normally necessary but standard work gloves recommended.

Eye protection : The use of goggles is recommended if there are heavy dust concentrations.

Skin and body protection : Wear appropriate protective clothing to prevent skin exposure.

Respiratory protection : A dust respirator is recommended if handling the product generates concentrations of dust

#### Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder
Color	: White to Creamy white
Odor	: Slight.
pH	: A 1% aqueous solution is approx neutral
Melting point	: Decomposed
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash Point	: No data available

Auto-ignition temperature	:	>200° C
Decomposition Temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	Not applicable
Vapor density	:	Not applicable
Density	:	550-850 kg/m <sup>3</sup> (depending upon grade)
Solubility	:	Soluble but forms very viscous solutions, which become pasty at concentrations greater than 5%.
Viscosity	:	Forms viscous solutions with water

#### Other information

No additional information available

<b>Reactivity</b>	:	No data available.
<b>Chemical Stability</b>	:	Guar gum is stable if stored under cool, dry conditions.
<b>Possibility Of Hazardous Polymerization:</b>	Will not occur	
<b>Conditions To Avoid:</b>	Dust Generation	
<b>Incompatible Materials:</b>	Strong-oxidizing agents.	
<b>Hazardous Decomposition Products:</b>	Thermal decomposition may produce carbon monoxide and dioxide.	

Guar gum is natural food additive. Guar gum is widely used in food and in pet food as a thickener, stabilizer and emulsifier

#### Information on toxicological effects

##### Acute toxicity

<b>LD50 oral</b>	>5000 mg/kg (rat)
<b>LD50 dermal</b>	No data available
<b>LC50 inhalation (mg/m<sup>3</sup>)</b>	No data available

**Skin corrosion/irritation:** Repeated contact may cause flaking and softening of skin

**Eye irritation:** The dry powder may cause foreign body irritation in the eyes of some individuals. Corneal injury is unlikely.

**Germ cell mutagenicity:** No Data Available

**Carcinogenicity:** Not classified

**Reproductive toxicity:** Not classified

**Specific target organ toxicity (single exposure):** May cause respiratory sensitization.

**Specific target organ toxicity (repeated exposure):** Excessive inhalation of dust may cause slight irritation and can impede respiration owing to the hydrophilic nature of the gum, which can form a gel in the airway.

**Aspiration hazard:** Not classified

**Symptoms/injuries after inhalation:** Coughing, Sore throat, Nasal Congestion, Sneezing and shortness of breath.

**Symptoms/injuries after eye contact:** eye irritation.

**Symptoms/injuries after ingestion:** Irritation of the digestive tract, choking, suffocation.

#### Eco Toxicity

Guar Gum is not expected to be harmful to the ecology.

#### Persistence and degradability