



# MSDS

## MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be consulted for specific requirements.

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**PRODUCT NAME: VARIFLO® QD****Section I MANUFACTURER'S INFORMATION****MANUFACTURER'S NAME & ADDRESS:****Date Prepared: January 1, 2007**

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Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Nuisance Dust	Respirable 5mg/m <sup>3</sup>	5mg/m <sup>3</sup>		
	Total Dust 15mg/m <sup>3</sup>	10mg/m <sup>3</sup>		

**PRODUCT IDENTIFICATION**

Chemical Name: Guar Gum 100%

Chemical Family: Natural Gums

CAS No.: 9000-30-0

FORMULA: Complex natural gum from guar plant.

NFPA/HMIS: Health - 0, Fire - 1, Reactivity - 0, Specific Hazard - See Section VI

DOT Class: Not Regulated

**Section III PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point: Not Applicable	Specific Gravity (H <sub>2</sub> O = 1): 0.8 -1.0
Vapor Pressure (mm Hg): Not Applicable	Melting Point: Not Available
Vapor Density (AIR = 1): Not Applicable	Evaporation Rate (Butyl Acetate = 1): Not Applicable
Solubility in Water: 100%	Appearance and Odor: Off white to tan powder, odorless.

**Section IV FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used): Not Applicable

Flammable Limits: Not Available      LEL: Not Available      UEL: Not Available

Extinguishing Media: Water, CO<sub>2</sub>, foam or dry chemical.

Special Fire Fighting Procedures: None

Unusual Fire/Explosion Hazards: Treat as flammable/explosive dust in the air-suspended state.

**Section V REACTIVITY DATA**

Stability: Stable      Conditions to Avoid: None Known

Incompatibility (Materials to Avoid): None Known

Hazardous Decomposition or By-products: None Known

Hazardous Polymerization: May Occur: Will Not Occur      Conditions to Avoid      - None Known

**Section VI HEALTH HAZARD DATA**

Route(s) of Entry:      Inhalation? Yes      Skin? No      Ingestion? No

Health Hazards (Acute and Chronic): Nuisance dust

Carcinogenicity:      NTP? Yes      IARC Monographs? Yes      OSHA Regulated? No

Signs and Symptoms of Exposure: Not Applicable.

Medical Conditions Generally Aggravated by Exposure: Not Applicable.

Emergency and First Aid Procedures: Not Applicable.



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## Section VII PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps to be Taken in Case Material is Released or Spilled:** Vacuum if possible to avoid generating airborne dust. Avoid breathing dust. Wear an approved respirator. Avoid adding water; the product will become slippery when wet.

**Waste Disposal Method:** Follow federal, state and local regulations for solid waste.

**Precautions to Be Taken in Handling and Storing:** Avoid breathing dust, use NIOSH/MSHA approved respirator.

**Other Precautions:** Slippery when wet.

## Section VIII CONTROL MEASURES

Respiratory Protection (Specify Type): Not Required.

Ventilation:	Local Exhaust	- As Appropriate	Special	- None
	Mechanical (General)	- As Appropriate	Other	- None

Protective Gloves: Not Required

Eye Protection: Recommended

Other Protective Clothing or Equipment: None Known

Work/Hygienic Practices: Use Good Housekeeping Practices.

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