

Material Safety Data Sheet (MSDS)

Product Name: Guar gum

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Identification of the Substance/Preparation and Company

- **Chemical Name:** Guar Gum
- **CAS Number:** 9000-30-0
- **EINECS Number:** 232-536-6
- **Molecular Formula:** $(C_6H_{10}O_5)_n$

2. Composition / Information on Ingredients

- **Ingredient:** Guar Gum (Cyamopsis Tetragonoloba)
- **Purity:** >90%
- **Additives:** None (food grade)

3. Hazards Identification

- **Emergency Overview:** Non-toxic, non-irritant under normal conditions

- **Potential Health Effects:**
 - Inhalation: May cause mild respiratory irritation if inhaled in dust form
 - Skin Contact: Generally non-irritant
 - Eye Contact: May cause transient irritation
 - Ingestion: Safe in food grade quantities
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4. First Aid Measures

- **Inhalation:** Move to fresh air; seek medical attention if symptoms persist
 - **Skin Contact:** Wash with soap and water
 - **Eye Contact:** Rinse with plenty of water for 15 minutes; seek medical advice if irritation continues
 - **Ingestion:** Rinse mouth; drink water; seek medical attention if necessary
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5. Firefighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, CO₂
 - **Specific Hazards:** Combustible dust may form explosive mixtures with air
 - **Protective Equipment:** Self-contained breathing apparatus, protective clothing
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6. Accidental Release Measures

- **Personal Precautions:** Avoid inhalation of dust; wear protective equipment
 - **Environmental Precautions:** Avoid release into water sources
 - **Methods for Cleaning Up:** Sweep up, vacuum, or use dust-free methods; place in suitable containers for disposal
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7. Handling and Storage

- **Handling:** Avoid dust formation; handle in well-ventilated areas
- **Storage:** Store in cool, dry, and well-ventilated place; keep container tightly closed
- **Incompatibility:** Avoid strong oxidizers and acids

8. Exposure Controls / Personal Protection

- **Occupational Exposure Limits:** Not established
- **Engineering Controls:** Adequate ventilation, dust collection system
- **Personal Protective Equipment:** Dust mask, gloves, goggles, protective clothing

9. Physical and Chemical Properties

- **Appearance:** Off-white to cream powder
- **Odor:** Characteristic odorless or mild odor
- **Solubility:** Soluble in cold and hot water, forms viscous solutions
- **pH:** 6.0 – 7.5 (1% aqueous solution)
- **Bulk Density:** 0.5 – 0.7 g/cm³
- **Viscosity:** High, depends on concentration

10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Conditions to Avoid:** Excessive heat, moisture, strong oxidizing agents
- **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide on burning
- **Polymerization:** Will not occur

11. Toxicological Information

- **Acute Toxicity:** Non-toxic
- **Chronic Effects:** No known chronic effects
- **Carcinogenicity / Mutagenicity:** Not listed as a carcinogen

12. Ecological Information

- **Environmental Fate:** Biodegradable
- **Ecotoxicity:** Low; not harmful to aquatic life at normal concentrations

13. Disposal Considerations

- **Waste Treatment Methods:** Dispose of according to local regulations; avoid release into the environment
- **Packaging:** Can be incinerated or landfilled safely

14. Transport Information (Detailed)

- **UN Number:** Not regulated
- **UN Proper Shipping Name:** Guar Gum Powder
- **Transport Hazard Class:** Not classified as hazardous
- **Packing Group:** Not applicable
- **Environmental Hazards:** No special hazards
- **Transport Precautions:**
 - Handle containers with care to prevent dust emission
 - Avoid wet conditions which can cause caking
 - Ensure containers are tightly closed during transport
 - For bulk transport, use ventilated containers and minimize handling to reduce dust formation
- **Road Transport (ADR/RID):** No restrictions; store away from oxidizing agents
- **Air Transport (IATA):** Not classified as dangerous for air transport; follow normal cargo handling procedures
- **Sea Transport (IMDG):** Non-hazardous; avoid contamination of water

15. Regulatory Information

- **Food Grade Compliance:** Yes, conforms to food safety standards (ISO, FSSAI, FDA)
- **Safety, Health, Environmental Regulations:** In compliance with Indian and international regulations

16. Other Information

- **Disclaimer:** Information is based on current knowledge and intended to describe the product for health, safety, and environmental purposes. Not a guarantee of product properties.
- **MSDS Generate Date:** 20-05-2017
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- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.