



## MATERIAL SAFETY DATA SHEET (MSDS)

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:**

- **Guar Gum**
- **Synonyms:** Guarana, Cyamopsis gum, E412

**Manufacturer/Supplier:**

Swadesh (India) Chemical Pvt. Ltd.

**Address:**

Survey No: 512, Plot No. 7,  
Shri Hari Industrial Park,  
Kadadra Village, Near ZAK GIDC,  
Dehgam, Gandhinagar, Gujarat, India – 382330

**Contact:**

- Email: [business@swadeshindia.in](mailto:business@swadeshindia.in)
- Website: [www.swadeshindia.in](http://www.swadeshindia.in)

**Recommended Use:**

- Food additive (thickener/stabilizer), industrial applications (textiles, paper, etc.)

### 2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Guar Gum (Polysaccharide)	9000-30-0	≥80%

**Additional Notes:**

- Purity: Food-grade/industrial-grade (as specified)
- Appearance: White to yellowish powder



## 3. HAZARDS IDENTIFICATION

### GHS Classification:

- Not classified as hazardous under normal use.

### Precautionary Statements (P-Codes):

- Dust may cause mild eye/respiratory irritation
- May form dust explosions in high concentrations

## 4. FIRST AID MEASURES

- **Eye Contact:** Rinse with water for 15 minutes.
- **Skin Contact:** Wash with soap and water.
- **Ingestion:** Drink water; no toxicity expected.
- **Inhalation (dust):** Move to fresh air.

## 5. FIRE FIGHTING MEASURES

- **Extinguishing Media:** Water spray, CO<sub>2</sub>, dry chemical
- **Special Hazards:** Dust clouds may ignite (if dispersed in air)
- **Firefighting PPE:** Dust mask, goggles

## 6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- **Spill Response:**
  - Sweep or vacuum (avoid creating dust).
- **Environmental Warning:** Low hazard; biodegradable.

## 7. HANDLING AND STORAGE

- **Handling:**
  - Use dust masks in poorly ventilated areas.
- **Storage:**
  - Keep dry in sealed containers (<25°C).
- **Shelf Life:**
  - 24–36 months



## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** General ventilation
- **PPE:**
  - Gloves: Not typically required
  - Eye Protection: Safety goggles (if dusting)
  - Respiratory: Dust mask (N95) for powder handling

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Fine white powder
Odor	Odorless
Solubility	Disperses in water (forms gel)
Bulk Density	0.7–0.8 g/cm <sup>3</sup>

## 10. STABILITY AND REACTIVITY

### Chemical Stability:

- Stable; hygroscopic (absorbs moisture)

### Incompatible Materials:

- Strong oxidizers

### Hazardous Decomposition Products:

- CO, CO<sub>2</sub> if burned

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity:

- Oral LD50 (rat): >5,000 mg/kg (practically non-toxic)

### Skin Irritation:

- Non-irritating

### Eye Irritation:

- Not classified (IARC, NTP)



## 12. ECOLOGICAL INFORMATION

### Biodegradability:

- >90% (readily biodegradable)

### Aquatic Toxicity:

- LC50 (fish, 96h): >10,000 mg/L

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal:

- Compost or landfill (non-hazardous)

## 14. TRANSPORT INFORMATION

### DOT/IMO/IATA:

- Not classified as dangerous goods

## 15. REGULATORY INFORMATION

### India:

- Compliant with CPCB regulations

### International:

- REACH registered
- OSHA compliant

## 16. ADDITIONAL INFORMATION

Revision Date :20/04/24

**Disclaimer:** This MSDS is provided for informational purposes only. Users should make their own determination of suitability for any particular purpose.