

Material Safety Data Sheet (MSDS)

Product Name: Xanthan Gum [Fufeng]

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

Product Name: Xanthan Gum [Fufeng]

CAS No.: 11138-66-2

EINECS No.: 234-394-2

Application: Food additive, stabilizer, thickener, emulsifier.

2. Hazards Identification

- Not classified as hazardous under GHS.
- Non-toxic, non-irritant under normal handling.
- May cause dust-related mechanical irritation to eyes, skin, or respiratory tract.
- Inhalation of dust may cause coughing or mild discomfort.

3. Composition/Information on Ingredients

Substance: Xanthan Gum

Synonyms: Corn sugar gum

Chemical Nature: High molecular weight polysaccharide (fermentation product of *Xanthomonas campestris*).

Purity: $\geq 99\%$

4. First Aid Measures

- **Inhalation:** Move to fresh air. If symptoms persist, seek medical attention.
 - **Skin Contact:** Wash with soap and water. No significant hazard.
 - **Eye Contact:** Rinse with plenty of water for at least 15 minutes. Seek medical advice if irritation persists.
 - **Ingestion:** Non-toxic. Rinse mouth and drink water.
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5. Fire-Fighting Measures

- **Flammability:** Not highly flammable.
 - **Suitable Extinguishing Media:** Water spray, dry chemical, foam, CO₂.
 - **Special Hazards:** Dust clouds may form explosive mixtures with air.
 - **Protective Equipment:** Firefighters should wear self-contained breathing apparatus.
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6. Accidental Release Measures

- Avoid generating dust.
 - Sweep up and place in suitable container for disposal.
 - Wash spill area with water.
 - Avoid discharge into drains.
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7. Handling and Storage

- Handle in accordance with good industrial hygiene practices.
- Avoid inhalation of dust.

- Store in tightly closed containers in a cool, dry, and well-ventilated area.
- Protect from moisture.

8. Exposure Controls/Personal Protection

- **Occupational Exposure Limits:** Not established.
- **Engineering Controls:** Use local exhaust ventilation if dust forms.
- **Personal Protective Equipment (PPE):**
 - Respiratory protection: Dust mask recommended.
 - Eye protection: Safety goggles.
 - Skin protection: Gloves and protective clothing.

9. Physical and Chemical Properties

- **Appearance:** Off-white to cream powder
- **Odor:** Neutral, characteristic
- **pH (1% solution):** 6.0 – 8.0
- **Solubility:** Soluble in water, forms viscous solution
- **Melting Point:** Not applicable (decomposes)
- **Bulk Density:** 500 – 800 kg/m³
- **Stability:** Stable under normal conditions

10. Stability and Reactivity

- Stable under recommended conditions.
- Avoid strong oxidizing agents.
- Thermal decomposition may produce CO, CO₂.
- Hazardous polymerization: Will not occur.

11. Toxicological Information

- **Acute Toxicity (Oral, Rat):** LD50 > 5,000 mg/kg (non-toxic).
- **Skin Irritation:** Non-irritant.
- **Eye Irritation:** Mild, mechanical only.
- **Carcinogenicity/Mutagenicity:** Not classified as carcinogenic or mutagenic.
- **Sensitization:** Not expected.

12. Ecological Information

- **Biodegradability:** Biodegradable.
- **Aquatic Toxicity:** Not harmful to aquatic life.
- **Bioaccumulation:** Not expected.
- **Environmental Fate:** Natural polysaccharide, safe for environment.

13. Disposal Considerations

- Dispose of in accordance with local regulations.
- Non-hazardous waste.
- Can be incinerated or disposed of as normal organic waste.

14. Transport Information (Detailed)

- **UN Number:** Not classified as dangerous goods.
- **UN Proper Shipping Name:** Not applicable (non-hazardous).
- **Transport Hazard Class:** Not regulated under ADR, IMDG, IATA.
- **Packing Group:** Not applicable.
- **Marine Pollutant:** No.
- **Special Precautions:**
 - Transport in clean, dry, sealed containers.
 - Protect from moisture during transit.

- Avoid mechanical damage to packaging.
 - **Regulatory Transport Status:**
 - Road/Rail (ADR/RID): Not restricted.
 - Sea (IMDG): Not restricted.
 - Air (ICAO/IATA): Not restricted.
 - Domestic and International transport: Safe, non-hazardous.
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15. Regulatory Information

- Classified as food-grade and safe under FDA, EU, and FSSAI regulations.
 - Not listed as hazardous under OSHA, REACH, or GHS.
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16. Other Information

- The information is based on our current knowledge and experience.
- The product should be used for its intended purpose only.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.