

Material Safety Data Sheet (MSDS)

Product Name: Xanthan Gum [Deosen]

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 [Deosen]
- **Synonyms:** Polysaccharide Gum
- **Recommended Use:** Food additive, thickener, stabilizer, emulsifier.

2. Hazards Identification

- **Classification (GHS):** Not classified as hazardous.
- **Primary Hazards:** Dust may cause mild irritation to eyes, skin, and respiratory tract.
- **Routes of Exposure:** Inhalation, skin contact, eye contact.
- **Target Organs:** Eyes, respiratory tract.

3. Composition/Information on Ingredients

- **Substance:** Xanthan Gum

- **CAS No.:** 11138-66-2
- **EINECS No.:** 234-394-2
- **Purity:** ≥ 98%

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical advice if irritation persists.
- **Skin Contact:** Wash with soap and water. If irritation develops, seek medical attention.
- **Eye Contact:** Rinse thoroughly with water for several minutes. Remove contact lenses if present.
- **Ingestion:** Rinse mouth with water. Not considered toxic but seek medical advice if large quantities are ingested.

5. Firefighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, CO₂.
- **Unsuitable Media:** None known.
- **Special Hazards:** Dust may form explosive mixtures with air under certain conditions.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus.

6. Accidental Release Measures

- Avoid dust formation.
- Sweep up and place into suitable containers for disposal.
- Provide adequate ventilation.
- Prevent from entering drains or watercourses.

7. Handling and Storage

- **Handling:** Avoid dust generation. Use adequate ventilation. Wear dust mask if required.
- **Storage:** Store in a cool, dry, well-ventilated area. Keep containers tightly closed.

8. Exposure Controls / Personal Protection

- **Exposure Limits:** Not established.
 - **Engineering Controls:** Local exhaust recommended where dust is generated.
 - **Personal Protective Equipment (PPE):**
 - Respiratory: Dust mask/respirator.
 - Eye: Safety goggles.
 - Skin: Protective gloves and clothing.
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9. Physical and Chemical Properties

- **Appearance:** Off-white to cream-colored powder.
 - **Odor:** Odorless to slight.
 - **pH (1% sol.):** 6.0 – 8.0
 - **Solubility:** Soluble in water.
 - **Bulk Density:** 0.5 – 0.8 g/cm³
 - **Decomposition Temp.:** > 250°C
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
 - **Hazardous Reactions:** None known.
 - **Conditions to Avoid:** Excessive heat, dust accumulation.
 - **Incompatible Materials:** Strong oxidizers.
 - **Hazardous Decomposition Products:** CO, CO₂.
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11. Toxicological Information

- **Acute Toxicity:** Non-toxic.
- **Irritation:** Dust may cause mild irritation.
- **Sensitization:** Not known.

- **Mutagenicity / Carcinogenicity:** Not classified as carcinogenic.
 - **Repeated Dose Toxicity:** No adverse effects reported in normal use.
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12. Ecological Information

- **Ecotoxicity:** Not hazardous to the environment.
 - **Persistence/Degradability:** Biodegradable.
 - **Bioaccumulation:** Not expected.
 - **Mobility in Soil:** Low mobility, soluble in water.
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13. Disposal Considerations

- Dispose of according to local regulations.
 - Can be incinerated or disposed of in approved landfills.
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14. Transport Information (Detailed)

- **UN Number:** Not classified as hazardous for transport.
- **UN Proper Shipping Name:** Not regulated.
- **Transport Hazard Class(es):** Not applicable.
- **Packing Group:** Not applicable.
- **Environmental Hazards:** Not a marine pollutant.
- **Special Precautions for User:**
 - Avoid generation of dust during loading/unloading.
 - Use sealed bags/containers to prevent spillage.
 - Ensure dry conditions during transport to prevent clumping or microbial growth.
 - Avoid contamination with strong oxidizers during shipment.
- **Transport in Bulk According to IMO/IMDG/ICAO/IATA/ADR:**
 - Not subject to bulk transport requirements.

- Complies with food additive transport regulations.
 - **Label Requirements:** No hazardous labels required.
 - **Additional Notes:** Product is safe for international and domestic transport under normal conditions.
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15. Regulatory Information

- **Regulatory Status:** Approved as a food additive by FAO/WHO, FDA, EU.
 - **Hazard Symbols:** None required.
 - **Risk Phrases:** Not applicable.
 - **Safety Phrases:** Avoid inhaling dust.
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16. Other Information

- The information provided in this MSDS is believed to be accurate and represents the best data currently available. However, it does not constitute a warranty. Users are responsible for ensuring suitability for their specific conditions.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.