



Material Safety Data Sheet Xanthan Gum (XCD)

Date Prepared: 5/1/2006

Section I - Product and Company Identification

- Product Name: XCD
- Generic Description: Xanthan Gum
- Supplier: Bulldog Chemicals
29030 Lake Houston Lane
Huffman, TX 77336
Emergency Telephone: 281-360-7315

Section II – Composition

- Material or Component: Zanthan Gum
- Percentage: 100%
- CAS Number: 11138-66-2

Section III – Physical and Chemical Properties

- | | | | |
|------------------------|---------------------|-------------------|-----|
| • Appearance: | light yellow powder | Flash Point: | n/a |
| • Solubility in Water: | slight | Specific Gravity: | 0.8 |
| • Boiling Point: | n/a | Explosion Limits: | n/a |
| • Odor: | none | Evaporation Rate: | n/a |
| • Vapor Density: | n/a | pH: | 7 |

Section IV – Hazard Identification

- Health 1, Flammability 0, Reactivity 0 (Ratings based on NPFA)
- Inhalation: Irritating to the respiratory tract if inhaled. The OSHA PEL for respirable dust is 5mg/m³ and 15mg/m³ for total dust.
- Skin Contact: May be irritating to the skin. Repeated or prolonged contact may cause drying and cracking of the skin.
- Eye Contact: May cause irritation to the eyes.
- Ingestion: Not anticipated route of exposure. May cause irritation of digestive tract.
- Chronic Health Effects: None known.
- Medical Conditions Aggravated by Exposure: None known.



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Section V – First Aid Measures

- Inhalation: Remove person to fresh air. Get medical attention for any breathing difficulty.
- Skin Contact: Immediately wash exposed area with soap and water. Get medical advice if irritation develops.
- Eye Contact: Immediately flush eyes with large amounts of running water for at least 15 minutes. Get medical advice if irritation develops.
- Ingestion: If large amounts were ingested, give water to drink and get medical advice.
- Advice to Physicians: Treat symptomatically.

Section VI – Fire Fighting Measures

- Flash Point: N/A
- Flammable Limits: N/A
- Fire Extinguishing Media: Water, foam, sand, dry chemical or carbon dioxide (CO₂).
- Unusual Fire and Explosion Hazard: None.

Section VII – Accidental Release Measures

- Release or Spill: Collect and place in suitable container for reuse or disposal.
- Personal Precautions: Keep away from heat and sources of ignition. Avoid breathing dust.
- Environmental Precautions: None.

Section VIII – Handling and Storage

- Store in a cool, dry, ventilated area. Keep container tightly closed when not in use. Use good housekeeping in storage and work areas to prevent accumulation of dust. Keep away from oxidizing agents and extreme heat.



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Section IX - Exposure Control/Personal Protection

- Airborne Exposure Limits: OSHA Permissible Exposure Limit (PEL) 15mg/m³ total dust, 5mg/m³ respirable fraction for nuisance dusts.
- Ventilation Requirements: A system of local and/or general exhaust is recommended if handled in a confined area to keep airborne levels below recommended exposure limits.
- Respiratory Protection: Use NIOSH approved nuisance dust respirator.
- Skin Protection: Wear long sleeved clothing and work gloves.
- Eye Protection: Wear safety goggles with side shields. Maintain eye wash station in work area.
- Other Protection Equipment/Clothing: As appropriate for work area.

Section X – Stability and Reactivity

- Stability: Stable under normal conditions of use and storage.
- Materials to Avoid: Excessive heat, ignition sources and strong oxidizers.
- Hazardous Polymerization: Will not occur.
- Hazardous Decomposition: CO, CO₂

Section XI – Toxicological Information

- No acute toxicity data is available for product or components.

Section XII - Ecological Information

- No ecotoxicity data is available. This product is not expected to present an environmental hazard.

Section XIII – Disposal

- Dispose of material in accordance with all local, state, and federal regulations.



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Section IX – Transportation Information

- UN Proper Shipping Name: Not regulated
- UN Label: None
- UN Identification Number: None
- Hazardous Ingredients: None
- Placards: None
- Reportable Quantity: None

Section X – Regulatory Information

- TSCA Listed: Yes
- SARA Title III Section 302: No
- SARA Title III Section 311/312: No
- SARA Title III Section 313: No