

# MATERIAL SAFETY DATA SHEET

Issue Date: April 26, 2004

## IDENTITY (As used on label and list)

OptiXan™ Xanthan Gum

40 Mesh Industrial Grade, Dispersible Industrial Grade, Transparent Industrial Grade

## Section I

**Manufacturers Name**  
Archer Daniels Midland Co

**Emergency Telephone number**  
217-424-5200

**Address**  
P.O. Box 1470  
Decatur Illinois 62525

**Telephone Number for Information**  
217-451-7418

## Section II - Hazardous Ingredients/ Identity Information

**Hazardous Components (Chemical Identity; Common Name)**

**Hazard Data**

**OSHA PEL      ACGIH TLV**

Xanthan Gum  
Cas No. 11138-66-2

N/A

N/A

## Section III - Physical/Chemical Characteristics

**Boiling Point**  
Not applicable - solid

**Specific Gravity (H<sub>2</sub>O = 1)**  
Not available

**Vapor Pressure (mm Hg)**  
Not applicable - solid

**Melting Point**  
Not Applicable

**Vapor Density (Air = 1)**  
Not applicable

**pH, 1.0% Solution**  
7 ± 0.5

**Solubility in water**  
Soluble White to off white powder or granules,  
slight characteristic odor.

**Appearance and Odor**

## Section IV - Fire and Explosion Hazard Data

**Flash Point (Method Used)**  
N/A

**Flammable Limits**      **LEL**      **UEL**  
Not Available      NA      NA

**Extinguishing Media**  
Water, carbon dioxide, foam or powder extinguisher.

**Special Fire Fighting Procedures**  
Xanthan gum will burn when in contact with flame but self-extinguishes when flame is removed.

**Unusual Fire and Explosion Hazards**  
Possibility of dust explosion.

This MSDS is based upon a limited review of ADM files and standard Toxicological handbooks.

The information herein is furnished without warranty of any kind. This information should only be used as a supplement to information already in your possession concerning the product. The determination of whether and under what conditions the product should be used by your employees is yours to make.

Section V - Reactivity Data

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Stability Stable Unstable  
table under normal conditions.

Conditions to Avoid  
None known.

Incompatibility (Materials to Avoid)  
Strong oxidizers.

Hazardous Decomposition or Byproducts  
Thermal decomposition may produce carbon dioxide and carbon monoxide.

Hazardous polymerization May Occur Will Not Occur  
Will not occur.

Conditions to Avoid  
None known.

Section VI - Health Hazard Data

Routes of Entry: Inhalation Skin Ingestion  
Skin contact, Ingestion, Inhalation of dust.

Health Hazards (Acute and Chronic)  
No evidence of adverse effects.

Carcinogenicity NTP IARC Monographs OSHA Regulated  
No No No No

Signs and Symptoms of Exposure  
Prolong contact with powder may cause irritation. Dust may cause eye irritation. Excessive inhalation of dust should be avoided, the hygroscopic property of xanthan gum can impede normal breathing.

Medical Conditions Generally Aggravated by Exposure  
No information available.

Emergency and First Aid Procedures  
Eyes-immediately flush with plenty of water. Call a physician if irritation develops.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case of Material is Released or Spilled  
Recover by vacuum or broom and shovel. Do not flush area with water, wetted material will be very slippery.

Waste Disposal Method  
Conform to applicable federal, state and local regulations.  
Landfill or flush well-diluted wet materials to drain. Material is biodegradable in waste treatment facility.

Precautions to Be Taken in Handling and Storing  
Store in a cool, dry area.

Section VIII - Control Measures

Respiratory Protection (Specify Type)  
NIOSH approved chemical respirator with dust filter while handling powder in dust generating situations.

Ventilation Local Exhaust Mechanical(General) Special Other  
Local exhaust sufficient to control dust.

Protective Gloves Eye Protection  
Not normally necessary. Safety Glasses

Other Protective Clothing or Equipment  
OSHA approved chemical respirator with dust filter while handling powder in dust generating situations.  
Excessive inhalation of dust should be avoided, the hygroscopic property of xanthan gum can impede normal breathing.