



State of the Art Ingredients • Fast Friendly Service

## Xanthan Gum

### SECTION 1 :: PRODUCT IDENTIFICATION

**Product Name:** Xanthan Gum  
**INCI Name:** Xanthan Gum Xanthomonas campestris  
**Description/Use:** Personal Care

**Emergency Telephone:** Chemtrec (24 hours) 800-424-9300

### SECTION 2 :: DATA ON COMPONENTS

**CHEMICAL NAME CAS No. Percent**  
Xanthan gum 11138-66-2 100%  
**Chemical Family:** Polysaccharide

### SECTION 3 :: HAZARDS IDENTIFICATION

**General:** Combustible dust. Ensure appropriate electrical classification and avoidance of ignition sources in dusty environments

**Inhalation:** Inhalation of dust may cause coughing and sneezing

**Eye Contact:** No more than slightly irritation based on toxicity studies. The dry powder may cause foreign body irritation in some individuals.

**Skin Contact:** No more than slightly irritating. Prolonged contact with dry powder may cause drying or chapping of the skin.

**Ingestion:** Is not toxic if swallowed. No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed.

### SECTION 4 :: FIRST AID MEASURES

**Skin or eye contact:** Immediate first aid is not likely to be required. However, this material can be removed with water. Wash heavily contaminated clothing before reuse.

**Inhalation:** Immediate first aid is not likely to be required. However, if symptoms occur, remove to fresh air. Get medical attention if nasal, throat or lung irritation develops.

**Ingestion:** Immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice.

**Physicians Note:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote available.



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### SECTION 5 :: FIRE FIGHTING MEASURES

**Flash Point:** Not applicable

**Extinguishing Media:** Carbon dioxide, dry chemical, water, aqueous foam

**Fire Fighting Procedures:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

**Fire and Explosion Hazards:** Product will burn under fire conditions. Like all organic and most dry chemicals, as a powder or dust, this product (when mixed with air in critical proportions and in the presence of an ignition source) may present an explosion hazard.

### SECTION 6 :: ACCIDENTAL RELEASE MEASURES

**Caution:** The use of water wash down is not recommended unless the spilled material is already wet. Wet material on a walking surface will be extremely slippery. Wet spills should be thoroughly flushed with water until non slippery.

**Personal Precautions:** Wear appropriate protective gear for the situation.

**Methods of Cleanup:** Do not blow material. Use vacuum equipment designed specifically for handling combustible dusts.

### SECTION 7 :: HANDLING AND STORAGE

**Handling:** Keep away from heat, sparks and flame. Avoid creating dust cloud in handling transfer and cleanup.

**Storage:** Keep container tightly closed in a cool (50-80°F), dry (65% relative humidity), well-ventilated place. Protect from heat. In case of occurrence of dust, there is a risk of dust explosion.

**Conditions to Avoid:** Avoid conditions that generate dust; product may form flammable dust-air mixtures. Avoid emptying package in or near flammable vapors; static charges may cause flash fire. Keep away from heat, flame, sparks and other ignition sources.

### SECTION 8 :: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Respiratory Protection:** When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the conditions specified by the appropriate OSHA, WHMIS or ANSI standard (s): Air purifying (half-mask/full-face) respirator with cartridges/ canister approved for use against dusts, mists, and fumes.

**Eye Protection:** This product does not cause significant eye irritation or eye toxicity requiring special protection. Where there is significant potential for eye contact, wear chemical goggles and have eye flushing equipment available.

**Skin Protection:** Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.

**Engineering Controls:** Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: wet processing methods to reduce dust generation.



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### SECTION 9 :: PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Powder

**Color:** White to tan

**Odor:** No data

**Specific Gravity:** No data

**pH:** Approx. 7, 1% solution

**Boiling Point:** Not available

**Melting Point:** Not available

**Solubility in water:** Soluble, gels in water, becoming a paste at concentrations greater than 5%

**Solubility in organic solvents:** No data

**Vapor Density, Air= 1:** Not applicable

**Vapor Pressure:** Not applicable

### SECTION 10 :: STABILITY AND REACTIVITY

**Stability:** Stable under ordinary conditions of use and storage.

**Incompatibility:** A mixture of air and finely-divided powder is potentially explosive.

**Materials to avoid:** Strong oxidizers

**Hazardous Decomposition Products:** Biodegradable; burning can produce carbon monoxide and carbon dioxide.

**Hazardous Polymerization:** Will not occur

### SECTION 11 :: TOXICOLOGY INFORMATION

**Acute LD50:** >5000 mg/kg (rat, oral)

**Dermal and Eye Irritation Test:** Rabbit, not irritating

**Carcinogenicity:** Not carcinogenic

**Mutagenicity:** Not mutagenic

### SECTION 12 :: ECOLOGY INFORMATION

**Environmental Fate:** Biodegradable.

**Environmental Toxicity:** No information

### SECTION 13 :: DISPOSAL CONSIDERATIONS

Dispose of container and unused contents in accordance with federal, state and local requirements.



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## **Xanthan Gum**

### **SECTION 14 :: TRANSPORT INFORMATION**

Not regulated

### **SECTION 15 :: REGULATIONS**

Not regulated

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#### Disclaimer

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