

MATERIAL SAFETY DATA SHEET

XANTHAN GUM

SECTION I - PRODUCT IDENTIFICATION

Product Name:	Xanthan Gum
End Use:	Food Additive
Description:	White-like Powder
Chemical Name:	Xanthan Gum
Chemical Family or Formula:	Polysaccharide Gum

HMIS Rating: Health 0 Flammability 1 Reactivity 0

SECTION II - INGREDIENTS

Components: Xanthan Gum
CAS # 11138-66-2

SECTION III - HEALTH HAZARD DATA

Route(s) of Entry:

Eye	Yes
Inhalation	Yes
Skin	No
Ingestion	Yes

Nature of Principle Hazard: Not a health hazard as defined by OSHA.

Effects of Overexposure: Prolonged contact with the dry powder may cause drying of the skin.

Non-toxic through ingestion and dermal absorption.

SECTION IV - FIRST AID PROCEDURES

Emergency First Aid Procedures:

Ingestion: May result in the material swelling in the throat. Drink large amounts of water. Never give anything by mouth to an unconscious person.

Eyes: Flush with plenty of water. If irritation develops, call a physician.

Skin Contact: No harmful effects expected. Wash with water. Get medical attention if irritation develops.

Inhalation: If large quantities have been inhaled, keep airway open as necessary.

If swallowed: Symptomatic treatment. No harmful effects are expected

SECTION V - FIRE AND EXPLOSION DATA

Flash Point:	Not Applicable
Extinguishing Agents:	Dry chemical, CO ₂ , Foam
Fire and Explosion Hazards:	Carbon oxides formed when burned.
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus and protective equipment when entering area of fire involving this material.

SECTION VI-ACCIDENTAL RELEASE MEASURES

Steps to Be Taken in Case Material is Released or Spilled:

Sweep up spilled material and repackage. Avoid creating dust clouds, hose spill area thoroughly with water. Use caution as the product is extremely slippery when wet.

SECTION VII-HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storing:

Store in cool, dry place. Keep dry. May contribute to slickness of surface when wet.

Other Procedures: None

SECTION VIII-PERSONAL PROTECTION INFORMATION

Respiratory Protection: In heavy product dust exposure a protecting mask is recommended.

Ventilation Type Required: Local exhaust

Other: Treat as a nuisance dust.

Protective Gloves: Not normally required

Eye Protection: Not normally required

Other Protective Clothing or Equipment: None

SECTION IX-CHEMICAL AND PHYSICAL PROPERTIES

Appearance: White-like powder	Odor: Slight
Boiling Point: Not Applicable	Specific Gravity (H ₂ O=1): Not Applicable
Melting Point: Not Applicable	Vapor Pressure (mm Hg): Not Applicable
Evap. Rate (Butyl Acetate=1): Not Applicable	Vapor Density (Air=1): Not Applicable
pH: @ 1.0 %: 6-8	Solubility in Water: Complete
Stable: Yes	

SECTION X- REACTIVITY DATA

Stability:	Stable
Incompatibility:	Strong oxidants
Hazardous polymerization:	Will not occur
Hazardous decomposition Products:	Carbon dioxide and carbon monoxide formed when burned.
Conditions to avoid:	Not Applicable

SECTION XI-TOXICOLOGICAL INFORMATION

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

LD50: Not available.

LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion,of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

SECTION XII-ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

SECTION XIII-DISPOSAL CONSIDERATIONS

Waste Disposal Method (Insure Conformity with all Applicable Disposal Regulations):
Incinerate or place in permitted waste management facility.

SECTION XIV- TRANSPORTATION INFORMATION

Shipping Name:	Xanthan Gum
Hazard Class:	Not Regulated
ID Number:	None
Label(s) Required:	None
Shipping Description:	Not Regulated
Packaging References:	Not Regulated
Special Transportation Notes:	None

SECTION XV-REGULATORY INFORMATION

Federal and State Regulations: TSCA & (b) inventory: Xanthan Gum

Other Regulations: Not available

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada)

DSCL (EEC): R36/38-Irritating to eyes and skin.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability:1

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves.

Lab coat

Dust respirator.

Be sure to use an Approved/certified respirator or Equivalent.

Splash goggles.

SECTION XVI-ADDITIONAL INFORMATION

References: Not available.

Other Special Considerations: Not available.