



# MATERIAL SAFETY DATA SHEET

#1700, 407 2<sup>ND</sup> STREET S.W., CALGARY, ALBERTA T2P 2Y3  
TELEPHONE: (403) 269-2242 FAX: (403) 269-2251  
1-613-996-6666 – CANUTEC – Transportation Emergency  
1-888-243-9771 – ChExSS – Chemical Exposure

## XANTHAN GUM

### SECTION I: IDENTIFICATION OF PRODUCT

**Product Name:** XANTHUM GUM  
**Chemical Family:** Polysaccharide Polymer  
**WHMIS Classification:** Not controlled  
**Workplace Hazard:** Not applicable

**Product Use:** Viscosifier  
**TDG Classification:** Not Regulated  
**Packaging Group:** Not applicable  
**PIN:** Not applicable

### SECTION II: INFORMATION ON INGREDIENTS

Ingredients	Percent	CAS Number	LD <sub>50</sub> (Species/Route)	LC <sub>50</sub> (Species/Route)
Xanthan Gum	100%	11138-66-2	Not available	Not Available

### SECTION III: TOXICOLOGICAL PROPERTIES

**Route of entry:**  Skin  Eye Contact  Inhalation  Ingestion

**Effects of acute exposure:** Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

**Effects of chronic exposure:** Repeated or prolonged exposure is not known to aggravate medical condition.

**Exposure limits:** Not available

**Irritancy of product:** skin and eye irritant.

**Sensitization to product:** Not available

**Carcinogenicity:** Not available

**Reproductive toxicity:** Not available

**Teratogenicity:** Not available

**Mutagenicity:** Not available

**Name of toxicological synergistic products:** Not available



## SECTION IV: FIRST AID MEASURES

**Skin contact:** After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing. **Serious Skin Contact:** Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

**Eye contact:** Flush with plenty of water. If irritation develops, call a physician

**Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Ingestion:** Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

## SECTION V: PHYSICAL DATA

**Physical state:** Solid.

**Appearance and odour:** Light beige powder, slight odour

**Odour threshold:** Not available

**Specific gravity (°C):** 1.5

**Vapor pressure (mmHG):** Not available

**Vapor density (Air=1):** Not available

**Evaporation rate:** Not available

**Boiling point (°C):** Not available

**Freeze/Melting point (°C):** Not available

**pH (%):** 5.4-8.6

**Co-efficient of water/oil distribution:** Complete



## SECTION VI: FIRE AND EXPLOSION DATA

**Conditions of flammability:** May be combustible at high temperature

**Means of extinguishing:** Dry chemical, foam, water fog, spray

**Flash point:** Not available

**Upper flammable limit:** Not available

**Lower flammable limit:** Not available

**Auto-ignition temperature:** Not available

**Hazardous combustion products:** Not available

**Explosion data-sensitivity to mechanical impact:** Not available

**Explosion data-sensitivity to static discharge:** Combustible dust in the finely divided and suspended state.

## SECTION VII: REACTIVITY DATA

**Chemically unstable (conditions):** Stable.

**Product incompatible with:** Strong oxidizing agents and caustic solutions

**Conditions of reactivity:** Not applicable

**Hazardous decomposition products:** Not applicable



## SECTION VIII: PREVENTATIVE MEASURES

**Personal protective equipment:** Suggest NIOSH/MESA approved dust mask. Splash goggles.

**Specific engineering controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Procedures for leak/spills:** Sweep-up spilled material and repackage. Hose spill area very thoroughly. This product becomes very slippery when wet.

**Waste disposal:** Dispose of material in accordance with local ordinances. Landfill is suggested.

**Handling procedures and equipment:** Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

**Storage requirements:** Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

**Special shipping information:** Not applicable

## SECTION IX: PREPARATION

**Date updated:** April 1, 2010

**Prepared by:** Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.