

MSDS OF XANTHAN GUM

1. Product Identification

Synonyms: Xanthan Gum; Biopolymer

2. Composition/Information on Ingredients

| Ingredient | CAS No | Percent | Hazardous |
|-------------|------------|---------|-----------|
| Xanthan Gum | 11138-66-2 | 100% | No |

3. Health Hazards data

Nature of Principle Hazard:
Not a health hazard.

Permissible Concentrations(Air):
Not applicable, Excessive inhalation may cause respiratory discomfort.

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

Non-toxic through ingestion and dermal absorption.

4. Emergency First Aid procedures

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

Skin Contact:
No harmful effects expected.

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

If swallowed:
Symptomatic treatment.

No harmful effects are expected.

5. Fire And Explosion Data

For fires involving this material do not enter without proper protective equipment including self-contained breathing apparatus. In common with most organic materials, this product should be treated as a combustible dust in the finely divided and suspended state.

Flash Point: Not applicable

Extinguishing Agents: Dry chemical, CO2, Foam.

6. Handling of Spills or Leaks

Procedures For Clean-Up: Sweep up spilled material and repackage. Hose spill area thoroughly with water. Use caution as the product is extremely slippery when wet.
Waste Disposal: Dispose of in accordance with local, state, and federal regulations.

7. Personal Protection Information

Ventilation Type Required: Local exhaust

Respiratory Protection:
In heavy product dust exposure an approved mask is recommended.

Protective Gloves: Not normally required

Eye Protection: Not normally required

Other Protective Equipment: None

8. Physical and Chemical Properties

Form: White to tan powder

Odor: Slight

Specific Gravity (water=1): Not applicable

Boiling Point: Not applicable

Melting Point: Not applicable

Solubility in Water: Complete

% Volatile by %WT: Not applicable

Evap. Rate (n-BuAc=1): Not applicable

Vapor Pressure (mm Hg): Not applicable

Vapor Density (air=1): Not applicable

Ph: @ 1.0 %: 7

Stable: Yes

9. Reactivity Data

Stability: Product is stable

Incompatibility: Strong oxidants

Hazardous decomposition Products:
Thermal decomposition products may include carbon dioxide and carbon monoxide.

Hazardous polymerization: Will not occur

Conditions to avoid: None

10. Toxicological Information

Aquatic Toxicity (96 hr LC50 API Test Procedure): Mysid shrimp > 1,000,000 ppm

Microtox Toxicity: Photobacterium phosphoreum - Non Toxic

11. Special Precautions

Precautions to be taken in handling and storage:
Normal precautions common to good manufacturing practice should be followed in handling and storage.

12. Regulatory Information

Proper Shipping Name: Drilling Mud Compound

Hazard Class: None

ID Number: Not applicable

Label(s) Required: None

Freight Classification: Item #138640 NMF 100 G Class 50

Special Transportation Notes: None