



# Safety Data Sheet

## MATRIX XAN

### SECTION 1. IDENTIFICATION

**Product Identifier** MATRIX XAN  
**Product Family** Xanthan Gum  
**Recommended Use** Oil Field Use.  
**Supplier Identifier** Matrix Drilling Fluids Ltd., Suite 1240, 540 - 5th Avenue S.W.  
, Calgary, Alberta, T2P 0M2, 403-265-7660  
**Emergency Phone No.** CANUTEC, 613-996-6666 or \*666 on a cellular phone (Canada Only), 24 Hours / Day

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

#### Classification

Combustible dust - Category 1

#### Label Elements

Signal Word:

Warning

Hazard Statement(s):

May form combustible dust concentrations in air.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no hazardous ingredients.

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing. Seek medical attention if irritation develops or persists.

##### Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Avoid direct contact. Wear chemical protective clothing if necessary.

##### Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

##### Ingestion

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Seek medical attention.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing Media

Use extinguishing agent suitable for surrounding fire.

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### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Product

Combustible dust. May form combustible dust concentration in air. Aqueous solutions or powders that become wet render surfaces extremely slippery.

### Special Protective Equipment and Precautions for Fire-fighters

Avoid dust formation. Take precautionary measures against static discharges. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Handle in accordance with good industrial hygiene and safety practice. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Avoid creating or breathing dust. Do not use compressed air for clean-up. Use appropriate tools to put the spilled solid in a convenient waste disposal container. After cleaning, flush away traces with water. Wet product may create a slipping hazard. Collect washing for disposal.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Keep container dry. Do not breathe dust. Wear personal protective equipment to avoid direct contact with this chemical. If you feel unwell, seek medical attention and show the label when possible.

It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

### Conditions for Safe Storage

Store in a dry place. Do not store in unlabeled containers.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Not available.

### Appropriate Engineering Controls

General ventilation is usually adequate. Minimize air borne spreading of dust. Provide eyewash and safety shower if contact or splash hazard exists.

### Individual Protection Measures

#### Eye/Face Protection

Safety glasses with side shields are recommended to prevent eye contact.

#### Skin Protection

Consideration must be given both to durability as well as permeation resistance. Chemically resistant gloves should be used.

#### Respiratory Protection

Wear a NIOSH approved dust mask when required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	White - yellow powder.
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not available

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<b>pH</b>	5.5 - 8.5 (1% solution)
<b>Melting Point/Freezing Point</b>	Not available (melting); Not available (freezing)
<b>Initial Boiling Point/Range</b>	Not available
<b>Flash Point</b>	> 93.3 °C (199.9 °F)
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Will not burn.
<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	Not available
<b>Solubility</b>	Soluble in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not applicable (kinematic)
<b>Other Information</b>	
<b>Physical State</b>	Solid

## SECTION 10. STABILITY AND REACTIVITY

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None known.

### Conditions to Avoid

Generation of dust. Accumulation of static charge.

### Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid).

### Hazardous Decomposition Products

Oxides of Carbon

Oxides of Nitrogen.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

### Skin Corrosion/Irritation

Not irritating. May cause mechanical irritation.

### Serious Eye Damage/Irritation

May cause slight irritation as a "foreign object". Tearing, blinking and mild temporary pain may occur as particles are rinsed from the eye by tears.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Not harmful. Can be slightly irritating to the respiratory system.

#### Ingestion

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Not harmful.

**Carcinogenicity**

No information was located.

**Reproductive Toxicity**

**Development of Offspring**

No information was located.

**Sexual Function and Fertility**

No information was located.

**Effects on or via Lactation**

No information was located.

**Germ Cell Mutagenicity**

No information was located.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Studies were not located.

**Persistence and Degradability**

No information was located.

**Bioaccumulative Potential**

No information was located.

**Mobility in Soil**

Studies are not available.

**Other Adverse Effects**

There is no information available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

Recycle and reuse product, if possible. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

**SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15. REGULATORY INFORMATION**

**Safety, Health and Environmental Regulations**

**Canada**

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All intentional components of this product are either on the DSL, the confidential DSL or notifications / import restrictions are in place.

**USA**

**Toxic Substances Control Act (TSCA) Section 8(b)**

All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Product Safety Committee

**Phone No.** 403-279-8545

**Date of Preparation** August 19, 2016

**Disclaimer** To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

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