



Material Safety Data Sheet

MATRIX XAN

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	MATRIX XAN
Product Family	Xanthan Gum
Supplier	Matrix Drilling Fluids Ltd., Suite 1240, 540 - 5th Avenue S.W. , Calgary, Alberta, T2P 0M2, 403-265-7660
Emergency Contact Information	CANUTEC, 613-996-6666 or *666 on a cellular phone (Canada Only), 24 Hours / Day
Use	Oil Field Use

2. HAZARDS IDENTIFICATION

Potential Health Effects

Inhalation	Not harmful. Can be slightly irritating to the respiratory system.
Skin Contact	Not irritating. May cause mechanical irritation.
Eye Contact	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.
Ingestion	Not harmful.
Carcinogenicity	No information was located.
Teratogenicity / Embryotoxicity	No information was located.
Reproductive Toxicity	No information was located.
Mutagenicity	No information was located.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no hazardous ingredients.

4. FIRST AID MEASURES

First Aid Procedures

Inhalation	Move victim 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 non-abrasive soap for 5 minutes. Avoid direct contact. Wear chemical protective clothing if necessary.
Eye Contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If irritation or pain persists, see a doctor.
Ingestion	Have victim rinse mouth with water. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. DO NOT INDUCE VOMITING. Seek medical attention.

5. FIRE FIGHTING MEASURES

Flammable Properties Does not burn.

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Suitable Extinguishing Media Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media None known.

Specific Hazards Arising from the Chemical Aqueous solutions or powders that become wet render surfaces extremely slippery.

Protective Equipment and Precautions for Firefighters Avoid dust formation. Take precautionary measures against static discharges. The use of self-contained breathing apparatus is recommended for fire fighters.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions 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 for Containment and Clean-up Avoid creating or breathing dust. 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.

7. HANDLING AND STORAGE

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.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Not available.

Engineering Controls General ventilation is usually adequate.

Personal Protective Equipment (PPE)

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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	White - yellow powder.
Odour	Odourless
Odour Threshold	Not available
Boiling Point	Not available
Decomposition Temperature	Not available
Freezing Point	Not available
Relative Density (water = 1)	Not available
Solubility in Water	Soluble

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pH	5.5 - 8.5 (1% solution)
Partition Coefficient, n-Octanol/Water	Not available
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Evaporation Rate	Not available
Flash Point	> 93.3 °C (199.9 °F) Will not burn.

10. STABILITY AND REACTIVITY

Chemical Stability	Normally stable.
Conditions to Avoid	Generation of dust.
Incompatible Materials	Strong oxidizing agents (e.g. perchloric acid).
Hazardous Decomposition Products	Oxides of Carbon Oxides of Nitrogen.
Possibility of Hazardous Reactions	None known.

11. TOXICOLOGICAL INFORMATION

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

Teratogenicity / Embryotoxicity

No information was located.

Reproductive Toxicity

No information was located.

Mutagenicity

No information was located.

12. ECOLOGICAL INFORMATION

General Comments Environmental information was not located.

Ecotoxicity Studies were not located.

Persistence and Degradability No information was located.

Bioaccumulation / Accumulation No information was located.

Mobility Studies are not available.

Other Adverse Effects There is no information available.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Shipping Information

Not regulated under Canadian TDG Regulations.

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Other Transport Information

Special Shipping Information Not applicable

15. REGULATORY INFORMATION

Canada

WHMIS Classification

Not a WHMIS controlled product.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

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.

16. OTHER INFORMATION

MSDS Prepared By Product Safety Committee

Phone No. 403-279-8545

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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.