

SAFETY DATA SHEET

Section 1: IDENTIFICATION

Product Identifier:	Millzan D
MSDS No.:	0075
Product Family:	Xanthan Gum, Biopolymer
Recommended Use:	Drilling Fluid Additive
Manufacturer/Supplier:	Bri-Chem Supply Ltd. 27075 Acheson Road Acheson, AB T7X 6B1
Phone Number:	780-962-9490
Emergency Phone:	CHEMTREC 1-800-424-9300, 24/7

Section 2: HAZARD(S) IDENTIFICATION

Potential Health Effects

Inhalation:	Can irritate the nose and throat.
Skin Contact:	Repeated or prolonged exposure can irritate the skin.
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

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Contains no hazardous ingredients.

Section 4: FIRST-AID MEASURES

First-Aid Procedures

Inhalation:	Move victim to fresh air. Call a Poison Centre or doctor if the victim feels unwell.
Skin Contact:	Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5 minutes.
Eye Contact:	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If a contact lens is present, DO NOT delay flushing or attempt to remove the lens.
Ingestion:	NEVER give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. DO NOT INDUCE VOMITING. Call a Poison Centre or doctor if the victim feels unwell.

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First Aid Comments: If exposed or concerned, see a doctor for medical advice.

Section 5: FIRE-FIGHTING MEASURES

Flammable Properties: Can ignite if strongly heated.

Suitable Extinguishing Media: Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media: None known

Specific Hazards Arising from The Chemical: In a fire, the following hazardous materials may be generated: carbon dioxide, carbon monoxide, hydrocarbons.

Protective Equipment and Precautions for Firefighters: A full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use the personal protective equipment recommended in Section 8 of this MSDS.

Environmental Precautions: Do not allow into any sewer, on the ground or into any waterway.

Methods for Containment and Clean-up: Stop or reduce leak if safe to do so. Avoid generating dust. Collect shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal. Hose spill area thoroughly with water. Use caution as the product is extremely slippery when wet.

Section 7: HANDLING AND STORAGE

Handling: Only use where there is adequate ventilation. Avoid generating dusts. Avoid ignition sources. Airborne dust concentrations above 20 mg/L may create a dust explosion hazard. Keep container closed. Discard or thoroughly clean contaminated clothing and shoes before re-use.

Storage: Store in an area that is: cool, dry. Keep container closed when not in use.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Personal Protective Equipment (PPE)

Eye/Face Protection: Wear chemical safety goggles.

Skin Protection: Avoid repeated or prolonged skin contact.

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Respiratory Protection:	Wear a powered air-purifying respirator with an appropriate cartridge.
General Hygiene Considerations:	It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Particle Size:	Not available
Odour:	Slight
Odour Threshold:	Not available
Molecular Formula:	Not available
Molecular Weight	Not available
Boiling Point:	Not available
Decomposition Temperature:	Not available
Melting Point:	Not available
Freezing Point:	Not available
Relative Density (Water=1):	1.4 – 1.6
Bulk Density:	
Solubility in Water:	Soluble
Solubility in Other Liquids:	Not available
pH:	7.0 (1% solution)
Partition Coefficient, n-Octanol/Water:	Not available
Viscosity-Kinematic:	Not available
Surface Tension:	Not available
Vapour Pressure:	Not available
Vapour Pressure at 50 deg C:	Not available
Saturated Vapour Concentration:	Not available
Critical Temperature:	Not available
Vapour Density (Air=1):	Not available
Evaporation Rate:	Not available
Flash Point:	Not available

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Lower Flammable/Explosive Limit:	Not available
Upper Flammable/Explosive Limit:	Not available
Auto-Ignition Temperature:	Not available
Electrical Conductivity:	Not available

Section 10: STABILITY AND REACTIVITY

Chemical Stability:	Normally stable
Conditions to Avoid:	Strong oxidizers
Incompatible Materials:	Oxidizing agents
Hazardous Decomposition Products:	Oxides of carbon
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.

Section 11: TOXICOLOGICAL INFORMATION

LC50:	No information was located.
LD50 (Oral):	No information was located.
LD50 (Dermal):	No information was located.
Effects of Short-Term (Acute) Exposure	
Inhalation:	No information was located.
Skin Absorption:	No information was located.
Ingestion:	No information was located.
Effects of Long-Term (Chronic) Exposure:	No information was located.
Respiratory and/or Skin Sensitization:	No information was located.
Teratogenicity /Embryotoxicity:	No information was located.
Reproductive Toxicity:	No information was located.
Mutagenicity:	No information was located.
Toxicologically Synergistic Materials:	No information was located.

No information was located for: Respiratory and/or Skin Sensitization, Development of Offspring, Sexual Function and Fertility, Germ Cell Mutagenicity, Interactive Effects

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Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Studies were not located.
Persistence and Degradability: No information was located.
Bioaccumulation /Accumulation: No information was located.

Section 13: DISPOSAL CONSIDERATIONS

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

Section 14: TRANSPORT INFORMATION

Shipping Information: Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations.

Other Transport Information

Special Shipping Information: Not applicable

Section 15: REGULATORY INFORMATION

Canada

WHMIS 1988 Classification: Not a WHMIS controlled product.

USA

US OSHA Regulatory Status: This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200 (1994)).

Section 16: OTHER INFORMATION

Disclaimer:

The information contained herein is based on data available to us and is believed to be true and accurate. However, no guarantee or warranty is provided, expressed or implied, by the company or its subsidiaries regarding accuracy of the information, the hazards connected with the use of the material, or the results to be obtained from the use thereof. Since the use of this product is within the exclusive control of the user, we do not assume any responsibility and expressly disclaim any liability for any use of this product. It is the user's responsibility to determine the conditions of safe use, storage, and disposal of the product. Compliance with all applicable federal, provincial, and local regulations remains the responsibility of the user.

Prepared by: Bri-Chem Supply Ltd.

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