



# Material Safety Data Sheet

## MATRIX PAC

### 1. PRODUCT AND COMPANY IDENTIFICATION

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

### 2. HAZARDS IDENTIFICATION

#### Potential Health Effects

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no hazardous ingredients.

### 4. FIRST AID MEASURES

#### First Aid Procedures

<b>Inhalation</b>	Move victim to fresh air. Keep at rest in a position comfortable for breathing. Loosen tight clothing such as a collar, tie, belt or waistband. Seek medical attention if irritation develops or persists.
<b>Skin Contact</b>	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.
<b>Eye Contact</b>	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.
<b>Ingestion</b>	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** Firefighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

## 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** Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

**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.

**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

<b>Physical State</b>	Solid
<b>Appearance</b>	White - yellow powder.
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not available
<b>Boiling Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Bulk Density</b>	Not available
<b>Solubility in Water</b>	Soluble
<b>pH</b>	Not available

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

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

### **Skin Irritation/Corrosion**

Not a skin irritant.

### **Eye Irritation/Corrosion**

Not an eye irritant.

### **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

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

## 14. TRANSPORT INFORMATION

### Shipping Information

Not regulated under Canadian TDG Regulations.

### 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

**Date of Preparation** May 25, 2015

**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.