



# Safety Data Sheet

## MATRIX PAC

### SECTION 1. IDENTIFICATION

**Product Identifier** MATRIX PAC  
**Product Family** Poly Anionic Cellulose  
**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. Loosen tight clothing such as a collar, tie, belt or waistband. 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. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Seek medical attention.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing Media

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Use extinguishing agent suitable for surrounding fire.

#### **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**

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

## **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**

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 and Materials for Containment and Cleaning 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.

## **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. 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**

Minimize air borne spreading of dust. General ventilation is usually adequate. 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>	Not available
<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>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
<b>Bulk Density</b>	Not available

## 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. Open flames, sparks, static discharge, heat and other ignition sources.

### Incompatible Materials

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

Acids

Bases.

### Hazardous Decomposition Products

Oxides of Carbon.

## 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.

### 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

LC 50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l

Exposure time: 96 h

Test Type: static test

LC 50 (Lepomis macrochirus (Bluegill sunfish)): > 100 mg/l

Exposure time: 96 h

Test Type: static test

### Persistence and Degradability

Slowly biodegradable.

### 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

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

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT 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.

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## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Product Safety Committee

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

**Date of Preparation** August 09, 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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