

**PRAIRIE MUD BREAKER**

Substance key: 000000499457

Revision Date: 11/28/2014

Version : 1 - 1 / CDN

Date of printing :12/03/2014

**WHMIS controlled:** yes  
**Class:** B2  
 D2A  
 D2B

**Section 01 - Product and company identification**

<b>Identification of the company:</b>	Prairie Mud Service 738 6th Street, Estevan, Sk 306-634-3411
<b>Supplier:</b>	<b>Prairie Petro Chem of America</b> 3119 1st Ave W, Williston, ND USA 701-774-2436

**Trade name:** PRAIRIE MUD BREAKER  
**Material number:** 280841

**Primary product use:** De-emulsifier

**Section 02 - Hazards identification**

**Health effects of exposure:**

Flammable. Toxic by ingestion. Harmful by inhalation and skin contact. Eye and skin contact will cause burns. Inhalation of spray or mists will cause burns to the respiratory tract. May result in permanent damage. May affect fetal development.

Methanol: toxic by ingestion, inhalation and skin contact. Danger of very serious irreversible effects through ingestion, inhalation and skin contact including blindness. Highly flammable. Teratogen.

**Section 03 - Composition/information on ingredients**

**Hazardous ingredients:**

Component	CAS number	Concentration
Methyl alcohol	67-56-1	10 - 30 %
Oxyalkylated alkylphenol		10 - 30 %

**Component toxicity information:**

Methyl alcohol ( 67-56-1 )  
**Acute oral toxicity:** LD0 428 mg/kg (Humans)

**Section 04 - First aid measures**

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### After inhalation:

Move the victim to fresh air.  
Give oxygen or artificial respiration if needed.  
Get immediate medical advice/ attention.  
Never give anything by mouth to an unconscious person.

### After contact with skin:

Remove contaminated clothing and wash affected areas with soap and plenty of water for at least 15 minutes. If redness or skin irritation occurs, seek medical attention.

### After contact with eyes:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

### After ingestion:

If swallowed, DO NOT induce vomiting.  
Get immediate medical advice/ attention.

### Advice to doctor / Treatment:

None known.

## Section 05 - Fire fighting measures

**Flashpoint:** 23 - 60 °C  
**Ignition temperature:** not determined  
**Extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special fire fighting procedure:

Wear full protective clothing and self-contained breathing apparatus.  
Cool endangered containers with water spray jet.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

### Hazardous combustion products:

In case of fire hazardous decomposition products may be produced such as:  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Burning produces noxious and toxic fumes.  
Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

## Section 06 - Accidental release measures

### Steps to be taken in case of spill or leak:

Only trained personnel should be involved in spill operations. Wear suitable protective equipment. Ensure adequate ventilation. Remove all ignition sources. Contain spill and pump into proper containers using explosion-proof equipment. Smaller spills may be recovered using an inert non-combustible absorbent material (sand, kieselguhr) and collected into suitable containers. Do not use organic absorbent material. Containers in which spilled substance has been collected must be properly labelled. Spill may be covered with an

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appropriate foam to hinder the formation of explosive vapours. Wash spill area. Do not allow to enter sewers, storm drains, surface waters or the soil.

### Section 07 - Handling and storage

#### Advice on safe handling:

Keep away from heat, sparks and open flames. - Avoid breathing vapors or contact with skin, eyes, and clothing.- Use only with adequate ventilation and proper protective eyewear, face shield, gloves and clothing. Wash thoroughly after handling. Keep container closed. Wash thoroughly after handling.

#### Further info on storage conditions:

Keep containers tightly closed in a cool, well-ventilated place.  
Handle and open container with care.  
Keep away sources of ignition.

### Section 08 - Exposure controls / personal protection

#### Occupational exposure limits:

Component	CAS number	Regulatory list	Type of value	Value 1	Value 2
Methanol	67-56-1	USA. ACGIH Threshold Limit Values (TLV)	8-hour, time-weighted average	200 ppm	
Methanol	67-56-1	USA. ACGIH Threshold Limit Values (TLV)	Short-term exposure limit	250 ppm	

**Respiratory protection:** Wear an approved respirator when exposed to vapours or to mists beyond the TLV. Use appropriate filters. Do not exceed filters limitations. TLV = Threshold Limit Value

**Hand protection:** Fluorinated rubber gloves

**Eye protection:** Safety goggles  
Face-shield

**Other protective equipment:** Avoid skin contact.  
Wear suitable protective clothing.

### Section 09 - Physical and chemical properties

**Form:** Liquid  
**Color:** clear yellowish to yellow  
**pH:** 6.0 - 8.0  
**Solubility in water:** soluble  
**Density:** 0.95 - 0.99 g/cm<sup>3</sup>  
**Viscosity / (dynamic):** < 30 mPa.s

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## **Section 10 - Stability and reactivity**

<b>Thermal decomposition:</b>	No decomposition if used as directed.
<b>Chemical stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Hazardous polymerisation does not occur.
<b>Incompatibility with (Conditions to avoid) :</b>	Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.
<b>Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide

## **Section 11 - Toxicological information**

<b>Acute oral toxicity:</b>	The product has not been tested. The information is derived from the properties of the individual components., Toxic if swallowed.
<b>Skin irritation:</b>	irritating The product has not been tested. The information is derived from the properties of the individual components.
<b>Eye irritation:</b>	irritating The product has not been tested. The information is derived from the properties of the individual components.

## **Section 12 - Ecological information**

**Product information:**

**Remarks:**

Product must not be released into water without pre-treatment.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Component information:**

Methanol ( 67-56-1 )

<b>Biodegradation:</b>	99 % (28 d) Method: OECD Test Guideline 301D
<b>Fish toxicity:</b>	LC50 19,000 mg/l (96 h, Oncorhynchus mykiss (rainbow trout))
<b>Daphnia toxicity:</b>	LC50 > 10,000 mg/l (24 h)
<b>Bacteria toxicity:</b>	IC50 > 1,000 mg/l (3 h, activated sludge)

## **Section 13 - Disposal considerations**

**Waste disposal information:**

Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

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## Section 14 - Transport information

### TDG

Proper shipping name: Flammable liquid, n.o.s.  
Class: 3  
Packing group: III  
UN/ID number: UN 1993  
Primary risk: 3  
Remarks: Shipment permitted  
Hazard inducer(s): Methanol

### IATA

Proper shipping name: Flammable liquid, n.o.s.  
Class: 3  
Packing group: III  
UN/ID number: UN 1993  
Primary risk: 3  
Remarks: Shipment permitted  
Hazard inducer(s): Methanol

### IMDG

Proper shipping name: Flammable liquid, n.o.s.  
Class: 3  
Packing group: III  
UN no.: UN 1993  
Primary risk: 3  
Hazard inducer(s): Methanol  
EmS: F-E S-E

## Section 15 - Regulatory information

### Registration status

DSL: yes

NDSL: no

All components of the product are listed on the DSL/Canada.

### CEPA

Listed as toxic substance: Not listed

Listed as priority substance: Not listed

### NPRI

Listed

## Section 16 - Other information

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### WHMIS



Flammable  
Causes eye, skin, and respiratory tract  
irritation. Harmful if swallowed.

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The information contained on this MSDS is to the best of our knowledge an accurate summary of the data available as of the date of preparation. Prairie Mud Service is not liable for the application or use of this information in situations beyond its control or outside the normal and expected use of its product. Prairie Mud Service assumes no responsibility for damage or injury from the use of the product described herein.