



Substance key: 000000467415

Revision Date: 11/28/2017

Version : 1 - 1 / CDN

WHMIS controlled: yes
Class: B2
D 2 A
D 2 B

Section 01 - Product and company identification

Identification of the company: Prairie Mud Service
738 6th Street,
Estevan, Sk.
306-634-3411

Emergency tel. number: 306-634-3411

Supplier: Prairie Petro Chem of America
3119 1st Ave W, Williston, ND
58801
701-774-2436

Primary product use: Packer Fluid Inhibitor

Section 02 - Hazards identification

Health effects of exposure:

Flammable. Toxic by ingestion, inhalation and skin contact. Irritant to skin and eyes. 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.

Ethylene glycol : human poison by ingestion. Very toxic by inhalation. A skin, eye and mucous membrane irritant. Human systemic effect by ingestion and inhalation (eye lacrimation, general anesthesia, head- ache, cough, respiratory stimulation, nausea or vomiting, pulmonary, kidney and liver changes). There is evidence of experimental terato- genic and mutagenic data. Repeated or high exposure may cause kidney and brain damage.

Section 03 - Composition/information on ingredients

Hazardous ingredients:

Component	CAS number	Concentration
Methyl alcohol	67-56-1	7 - 13 %
Ethylene glycol	107-21-1	1 - 5 %

Component toxicity information:

Ethylene glycol (107-21-1)

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Acute oral toxicity: LD50 4,700 mg/kg (Rat)

Section 04 - First aid measures

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: 29 °C
Method: closed cup

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.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Cool endangered containers with water spray jet.

Hazardous combustion products:

In case of fire hazardous decomposition products may be produced such as:
Carbon oxides
Nitrogen oxides (NO_x)
Container explosion may occur under fire conditions.

Section 06 - Accidental release measures

Steps to be taken in case of spill or leak:

Wear prescribed protective equipment. Eliminate all ignition sources. Contain spill. Use explosion-proof equipment to ventilate the area and to pump the spill into appropriate containers. Smaller spill may be recovered by using an inert absorbent. May cover the spill with appropriate foam to hinder the formation of explosive vapors. Wash the spill area.

Section 07 - Handling and storage

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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.

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	
Ethylene glycol (Aerosol)	107-21-1	USA. ACGIH Threshold Limit Values (TLV)	Ceiling limit		100 mg/m3
Ethylene glycol	107-21-1	USA. ACGIH Threshold Limit Values (TLV)	Ceiling limit		100 mg/m3

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:

Butyl Rubber, PVC or Neoprene

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
Color:	dark amber
Odor:	pungent
pH:	6 - 8
Solubility in water:	completely soluble
Density:	1.13 - 1.145 g/cm ³ (25 °C)
Freezing point :	-40 °C

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Section 10 - Stability and reactivity

Chemical stability:	Stable
Hazardous Polymerization:	no Conditions to avoid: None known.
Incompatibility with (Conditions to avoid) :	Keep away from heat. Keep away from flames and sparks.

Section 11 - Toxicological information

Skin irritation:	irritating The product has not been tested. The information is derived from the properties of the individual components.
Eye irritation:	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:**

The product should not be allowed to enter drains, water courses or the soil.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Section 13 - Disposal considerations**Waste disposal information:**

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

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

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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

CEPA

Listed as toxic substance: Not listed
 Listed as priority substance: Listed

NPRI**Listed****Section 16 - Other information****WHMIS**

Flammable
 Causes eye, skin, and respiratory tract irritation.
 Harmful if swallowed.
 MAY CAUSE BIRTH DEFECTS BASED ON ANIMAL DATA

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