



Substance key: 000000476728

Revision Date: 11/28/2014

Version : 2 - 0 / CDN

Date of printing :12/03/2014

**WHMIS controlled:** yes  
**Class:** B2  
D1B  
D2A  
D2B

## Section 01 - Product and company identification

<b>Identification of the company:</b>	Prairie Mud Service 738 6th Street, Estevan, Sk. S4A 1A4 306-634-3411
<b>Supplier:</b>	<b>Prairie Petro Chem of America</b> <b>3119 1st Ave W, Williston, ND. 58801</b> <b><u>701-774-2436</u></b>

**Primary product use:** Corrosion inhibitor

## Section 02 - Hazards identification

### Health effects of exposure:

Flammable. Toxic by ingestion and skin absorption. Harmful by inhalation. Contact with eyes will cause severe irritation and may cause burns and permanent damage. Contact with skin will cause severe irritation and may cause burns. Inhalation of vapours, spray or aerosols will cause irritation to the respiratory system and may cause lung 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.

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.

Isopropanol: an eye irritant. It can cause eye damage and corneal burns. Harmful by ingestion and subcutaneous routes. Human systematic effects by ingestion or inhalation: flushing, pulse rate decrease, blood pressure lowering, anesthesia, narcosis headache, dizziness, mental depression, hallucinations, distorted perceptions, dyspnea, respiratory depression, nausea or vomiting, coma.

## Section 03 - Composition/information on ingredients

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## Hazardous ingredients:

Component	CAS number	Concentration
Methyl alcohol	67-56-1	10 - 30 %
Ethylene glycol	107-21-1	7 - 13 %
Isopropanol	67-63-0	1 - 5 %

## Component toxicity information:

Methyl alcohol ( 67-56-1 )

**Acute oral toxicity:** LD0 428 mg/kg (Humans)

Ethylene glycol ( 107-21-1 )

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

Isopropanol ( 67-63-0 )

**Acute oral toxicity:** LD50 5,280 mg/kg (Rat)

**Acute inhalation toxicity:** LC50 72.6 mg/l (4 h, Rat)

**Acute dermal toxicity:** LD50 12,800 mg/kg (Rabbit)

## 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:** 23 - 60 °C

**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.

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## Hazardous combustion products:

In case of fire hazardous decomposition products may be produced such as:

Carbon oxides

Nitrogen oxides (NO<sub>x</sub>)

Container explosion may occur under fire conditions.

## 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 spilt substance has been collected must be properly labelled. Spill may be covered with an 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.

### 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	
2-Propanol Isopropanol	67-63-0	USA. ACGIH Threshold Limit Values (TLV)	8-hour, time-weighted average	200 ppm	
2-Propanol Isopropanol	67-63-0	USA. ACGIH Threshold Limit Values (TLV)	Short-term exposure limit	400 ppm	
Ethylene glycol (Aerosol)	107-21-1	USA. ACGIH Threshold Limit Values (TLV)	Ceiling limit		100 mg/m <sup>3</sup>
Ethylene glycol	107-21-1	USA. ACGIH Threshold Limit Values (TLV)	Ceiling limit		100 mg/m <sup>3</sup>

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**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:** Tightly fitting safety goggles

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

## **Section 09 - Physical and chemical properties**

**Form:** Liquid

**Color:** Clear, light amber

**pH:** 5.6 - 7.6

**Density:** 1.02 - 1.06 g/cm<sup>3</sup>

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

**Chemical stability:** Stable

**Hazardous Polymerization:** no

**Incompatibility with (Conditions to avoid) :** Keep away from heat.  
Keep away from open flames, hot surfaces and sources of ignition.

## **Section 11 - Toxicological information**

**Acute oral toxicity:** The product has not been tested. The information is derived from the properties of the individual components., Harmful by inhalation and if swallowed.

**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.

**Component information:**

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Methanol ( 67-56-1 )

**Biodegradation:** 99 % (28 d)  
Method: OECD Test Guideline 301D

**Fish toxicity:** LC50 19,000 mg/l (96 h, Oncorhynchus mykiss (rainbow trout))

**Daphnia toxicity:** LC50 > 10,000 mg/l (24 h)

**Bacteria toxicity:** IC50 > 1,000 mg/l (3 h, activated sludge)

**Component information:**

Propan-2-ol ( 67-63-0 )

**Biodegradation:** 95 %  
Readily biodegradable.

**Fish toxicity:** Test data for the substance are not available.

**Remarks:**  
slightly water endangering

## 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  
Isopropanol

**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  
Isopropanol

**IMDG**

Proper shipping name: Flammable liquid, n.o.s.  
Class: 3  
Packing group: III  
UN no.: UN 1993

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Primary risk: 3  
Hazard inducer(s): Methanol  
Isopropanol  
E m S: 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

### WHMIS



Flammable

Toxic by ingestion

Harmful by inhalation and in contact with skin.

The information contained on this SDS 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.