

# SAFETY DATA SHEET



**Prairie Mud Service**

*Fluid Solutions Thru Experience and Technology*

**PRAIRIE MUL 854**

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Substance key: 000000476911

Revision Date: 11/28/2017

Version : 1 - 1 / CDN

## Section 01 - Product and company identification

Identification of the company:

Prairie Mud Service  
738 6<sup>th</sup> Street,  
Estevan, SK S4A 1A4  
306-634-3411

Trade name: **PRAIRIE MUL 854**  
Material number: 280846

Primary product use: Emulsifier

## Section 02 - Hazards identification

Classification"

WHMIS controlled: yes  
Class: B2  
D2A  
D2B



FLAMMABLE LIQUID.  
MAY CAUSE IRRITATION  
OVEREXPOSURE MAY CREATE CANCER RISK

### 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.

Diesel is expected to show evidence of skin carcinogenic activity based on mutagenic and / or analytical data. Possible risk of irreversible effects.

Solvent naphta (petroleum), heavy aromatics: harmful by ingestion, inhalation and skin contact. If swallowed, aspiration into the lungs may cause severe pulmonary injury. Inhalation of vapours or mists can cause irritation of the respiratory tract, nausea, headaches, dizziness and other central nervous system effects. Eye contact may cause severe irritation and possible damage. Skin contact may cause irritation which can be severe. Prolonged or repeated skin contact may cause dermatitis and sensitization.

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N-butanol: harmful by ingestion, inhalation and skin absorption. Irritant to skin and severe irritant to eyes. Inhalation may cause irritation to the respiratory tract. Vapours can cause specific injury to the cornea. There is evidence that long term repeated exposure to vapour concentrations greater than 50 ppm may result in some hearing loss. Prolonged exposure may cause dermatitis. Overexposure may cause headache and dizziness.  
Naphthalene: investigated as a tumorigen, mutagen and reproductive effector. IARC group 2b carcinogen.

## Section 03 - Composition/information on ingredients

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### Hazardous ingredients:

Component	CAS number	Concentration
Fuels diesel	68334-30-5	30 - 60 %
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	64742-94-5	3 - 7 %
n-Butyl alcohol	71-36-3	1 - 5 %

### Component toxicity information:

n-Butyl alcohol ( 71-36-3 )

**Acute oral toxicity:** LD50 790 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:

Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes.

### 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:** 38 °C

**Ignition temperature:** not tested.

**Extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Keep containers and surroundings cool with water spray.

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## Special fire fighting procedure:

Wear self-contained breathing apparatus and protective suit.

## Hazardous combustion products:

Thermal decomposition may generate carbon dioxide and carbon monoxide.

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 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:

Wash thoroughly after handling.

Keep away from heat.

Keep away from flames and sparks.

### Further info on storage conditions:

Keep container tightly closed. 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
Diesel fuel	68334-30-5	USA. ACGIH Threshold Limit Values (TLV)	8-hour, time-weighted average		100 mg/m <sup>3</sup>
n-Butanol	71-36-3	USA. ACGIH Threshold Limit Values (TLV)	8-hour, time-weighted average	20 ppm	

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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:** Fluorinated rubber gloves

**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, amber

**pH:** Not applicable

**Solubility in water:** insoluble

**Density:** 0.88 - 0.92 g/cm<sup>3</sup>

## Section 10 - Stability and reactivity

**Thermal decomposition:** No decomposition if used as directed.

**Chemical stability:** Stable

**Hazardous Polymerization:** Hazardous polymerisation does not occur.

**Incompatibility with (Conditions to avoid) :** Keep away from heat.  
Keep away from flames and sparks.

**Hazardous decomposition products** Carbon monoxide and carbon dioxide

## 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 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:**

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**Remarks:**

The product should not be allowed to enter drains, water courses or the soil.

## Section 13 - Disposal considerations

**Waste disposal information:**

Recommended disposal is by incineration in an approved, controlled furnace.  
Effluents must be treated before being released into open waters. Dispose used packaging according to local regulations.

## Section 14 - Transport information

**T D G**

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): Diesel  
BUTANOL

**I A T A**

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): Diesel  
BUTANOL

**IMDG**

Proper shipping name: Flammable liquid, n.o.s.  
Class: 3  
Packing group: III  
UN no.: UN 1993  
Primary risk: 3  
Hazard inducer(s): Diesel  
BUTANOL  
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

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## **Section 16 - Other information**

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.