

PRAIRIE MUL 854

Page 1 of 6

Substance key: 000000476911

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

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

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

Primary product use: 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.

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.

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.

Section 03 - Composition/information on ingredients

Hazardous ingredients:

Component	CAS number	Concentration
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MATERIAL SAFETY DATA SHEET

PRAIRIE MUL 854

Page 2 of 6

Substance key: 000000476911

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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.

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.

MATERIAL SAFETY DATA SHEET

PRAIRIE MUL 854

Page 3 of 6

Substance key: 000000476911
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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 ³
n-Butanol	71-36-3	USA. ACGIH Threshold Limit Values (TLV)	8-hour, time-weighted average	20 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:

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

MATERIAL SAFETY DATA SHEET

PRAIRIE MUL 854

Page 4 of 6

Substance key: 000000476911
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Solubility in water: insoluble
Density: 0.88 - 0.92 g/cm3

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:

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

TDG

Proper shipping name: Flammable liquid, n.o.s.
Class: 3
Packing group: III
UN/ID number: UN 1993

MATERIAL SAFETY DATA SHEET

PRAIRIE MUL 854

Page 5 of 6

Substance key: 000000476911

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Primary risk: 3
Remarks: Shipment permitted
Hazard inducer(s): Diesel
BUTANOL

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): 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

Section 16 - Other information

MATERIAL SAFETY DATA SHEET

PRAIRIE MUL 854

Page 6 of 6

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FLAMMABLE LIQUID.
MAY CAUSE IRRITATION

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