



**Section 01 - Product and company identification**

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|--------------------------------------|---|
| <b>Identification of the company</b> | Prairie Mud<br>Service 738 6th<br>Street Estevan, Sk<br>S4A 1A4<br>306-634-3411 |
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**Trade name:** PRAIRIE MUL ES-100  
**Material number:** 280848

**Primary product use:** Emulsifier

**Section 02 - Hazards identification**

**Classification:**

**WHMIS controlled:** yes  
**Class:** B3  
D2A  
D2B



COMBUSTIBLE  
MAY CAUSE IRRITATION

**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.

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

**Hazardous ingredients:**

| Component                        | CAS number | Concentration |
|----------------------------------|------------|---------------|
| Fuels diesel                     | 68334-30-5 | 30 - 60 %     |
| Tall oil                         | 8002-26-4  | 7 - 13 %      |
| Fatty acids, C18-unsatd., dimers | 61788-89-4 | 15 - 40 %     |

**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 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.

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| <b>Section 05 - Fire fighting measures</b> |
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|                              |   |
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| <b>Flashpoint:</b>           | 55 °C   |
| <b>Ignition temperature:</b> | not tested.   |
| <b>Extinguishing media:</b>  | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.<br>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.

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| <b>Section 06 - Accidental release measures</b> |
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**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.

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| <b>Section 07 - Handling and storage</b> |
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**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  |                       |

**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

|                             |                               |
|-----------------------------|-------------------------------|
| <b>Form:</b>                | Liquid                        |
| <b>Color:</b>               | Clear, amber                  |
| <b>pH:</b>                  | Not applicable                |
| <b>Solubility in water:</b> | insoluble                     |
| <b>Density:</b>             | 0.87 - 0.91 g/cm <sup>3</sup> |

## 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.<br>Keep away from flames and sparks. |
| <b>Hazardous decomposition products</b>             | Carbon monoxide and carbon dioxide                        |

## Section 11 - Toxicological information

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| <b>Acute oral toxicity:</b> | The product has not been tested. The information is derived from the properties of the individual components., Harmful if swallowed. |
| <b>Skin irritation:</b>     | irritating<br>The product has not been tested. The information is derived from the properties of the individual components.          |
| <b>Eye irritation:</b>      | irritating<br>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  
Primary risk: 3  
Remarks: Shipment permitted  
Hazard inducer(s): Diesel

**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

**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  
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**

Not listed

**Section 16 - Other information**

Date prepared: June 8, 2021

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