



**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

**Primary product use:** Surfactant

**Section 02 - Hazards identification**

**Classification:**

**WHMIS controlled:** yes  
**Class:** E  
D2B



**Causes serious eye damage. Causes skin irritation**

**Health effects of exposure:**

Risk of serious eye damage. Skin contact will cause irritation. Inhalation of vapours or mists may cause irritation to the respiratory tract.

Sodium metasilicate: the effects of long term exposure have not been determined. Ethoxylated nonyl phenol: listed on the priority list 2 and considered an endocrine disruptor by environment canada. 2-Butoxyethanol: teratology studies have shown that rats exposed at 300 ppm showed effects of maternal and embryo lethality; at 200 ppm showed maternal toxicity, embryo toxicity and fetotoxicity; at 50 ppm showed no observed effect. Systemic effects observed in animals include hemo- lysis, liver abd kidney damage and pulmonary hemorrhage.

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

**Hazardous ingredients:**

Component	CAS number	Concentration
Ethylene glycol monobutyl ether	111-76-2	3 - 7 %
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-	9016-45-9	3 - 7 %
Sodium metasilicate	6834-92-0	3 - 7 %
Trisodium orthophosphate	7601-54-9	1 - 5 %

**Component toxicity information:**

Ethylene glycol monobutyl ether ( 111-76-2 )  
**Acute oral toxicity:** LD50 1,746 mg/kg (Rat)  
Source: Supplier  
**Acute inhalation toxicity:** LC50 (4 h, Rat (female))  
Source: Supplier  
**Acute dermal toxicity:** LD50 6,411 mg/kg (Pig)  
Source: Supplier

Sodium metasilicate ( 6834-92-0 )  
**Acute oral toxicity:** LD50 874 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:** > 93 °C
- Lower explosion limit:** Not applicable
- Upper explosion limit:** Not applicable
- Self ignition:** not tested.
- Extinguishing media:** water  
Alcohol-resistant foam  
Dry powder  
Carbon dioxide (CO2)

**Special fire fighting procedure:**

Wear full protective clothing and self-contained breathing apparatus.

**Hazardous combustion products:**

- In case of fire hazardous decomposition products may be produced such as:
- Carbon monoxide
- Carbon dioxide (CO2)
- Burning produces noxious and toxic fumes.

## Section 06 - Accidental release measures

**Steps to be taken in case of spill or leak:**

Contain spill and pump into proper containers using compatible equipment. Smaller spills may be recovered using inert absorbent material. Wash spill area. Wear prescribed protective gear.

## Section 07 - Handling and storage

**Advice on safe handling:**

- Do not get in eyes or mouth or on skin.
- Wash thoroughly after handling.

**Further info on storage conditions:**

Keep containers tightly closed in a cool, well-ventilated place.

## Section 08 - Exposure controls / personal protection

**Occupational exposure limits:**

Component	CAS number	Regulatory list	Type of value	Value 1	Value 2



## Spray Clean

2-Butoxyethanol EGBE	111-76-2	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:** 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
- pH:** 12.0 - 14.0
- Density:** 1.02 - 1.06 g/cm<sup>3</sup>
- Viscosity / (dynamic):** < 100 mPa.s

### 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) :** None known.
- 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:** Risk of serious damage to eyes.  
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.

**Component information: 2-**

Butoxy ethanol ( 111-76-2 )

**Biodegradation:** 90.4 % (28 d)  
Readily biodegradable.  
Source: Supplier

**Fish toxicity:** LC50 1,474 mg/l (96 h, Oncorhynchus mykiss (rainbow trout))  
Source: Supplier



<b>Daphnia toxicity:</b>	EC50 1,550 mg/l (48 h, Daphnia magna (Water flea)) Source: Supplier
<b>Algae toxicity:</b>	IC50 911 mg/l (72 h, Pseudokirchneriella subcapitata (microalgae)) Source: Supplier

### Section 13 - Disposal considerations

**Waste disposal information:**

Consult local, state, and federal regulations.

### Section 14 - Transport information

<b>TDG</b>	not restricted
<b>IATA</b>	not restricted
<b>IMDG</b>	not restricted

### 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:	Listed
Listed as priority substance:	Listed

<b>NPRI</b>	Listed
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### Section 16 - Other information

**Prepared : June 16, 2021 by Prairie Mud Service**

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