

**Spray Clean**

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Substance key: 000000497750

Revision Date: 11/28/2014

Version : 2 - 1 / CDN

Date of printing :12/03/2014

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

**Section 01 - Product and company identification**

<b>Identification of the company:</b>	Prairie Mud Service 738 6th St. 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>701-774-2436</b>

**Primary product use:**      Surfactant

**Section 02 - Hazards identification**
**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-Buthoxyethanol: 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:**

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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 (CO<sub>2</sub>)

#### 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 (CO<sub>2</sub>)

Burning produces noxious and toxic fumes.

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## 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
2-Butoxyethanol EGBE	111-76-2	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:** 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

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**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

**Daphnia toxicity:** EC50 1,550 mg/l (48 h, Daphnia magna (Water flea))  
Source: Supplier

**Algae toxicity:** 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

TDG

not restricted

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**IATA** not restricted

**IMDG** 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

**NPRI** Listed

## Section 16 - Other information

### WHMIS



Causes serious eye damage.  
Causes skin irritation.

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