



Product Name: Spray Clean

Section 01 - Product and company identification

Identification of the company: Prairie Mud Service
738 6th 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



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/cm³
- 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



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
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

Prepared : May 2, 2019 by Prairie Mud Service

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