



CORGARD 69

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Section 01 - Product and company identification

Identification of the company: Prairie Mud Service
738 6th Street
Estevan, SK S4A 1A4
306-634-3411

Emergency Contact Number: 1-306-634-3411

Chemical family: Mixture
Primary product use: Corrosion inhibitor

Section 02 - Hazards identification

Classification:

WHIMIS Controlled: yes
Class: B3
D2A
D2B



Combustible material

**Causes eye, skin, and respiratory tract irritation.
Harmful if swallowed or if inhaled**

Health effects of exposure:

Harmful by ingestion. Contact with eyes may cause serious eye damage. Skin contact will cause irritation. Inhalation may cause irritation of the respiratory tract.

Ethylene glycol : human poison by ingestion. Very toxic by inhalation. A skin, eye and mucous membrane irritant. Human systemic effect by ingestion and inhalation (eye lacrimation, general anesthesia, head- ache, cough, respiratory stimulation, nausea or vomiting, pulmonary, kidney and liver changes). There is evidence of experimental terato- genic and mutagenic data. Repeated or high exposure may cause kidney and brain damage.

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.

Listed carcinogen:

NTP - National Toxicology Program Report: Not listed

International Agency for Research on Cancer (IARC) - Overall Evaluations of Carcinogenicity to Humans.: Not listed

OSHA Specifically Regulated
Chemicals/Carcinogens: Not listed



Section 03 - Composition/information on ingredients

Hazardous ingredients:

Component	CAS number	Concentration
Ethylene glycol	107-21-1	10 - 30 %
Ethylene glycol monobutyl ether	111-76-2	10 - 30 %
Amines, N-coco alkyltrimethylenedi-	61791-63-7	10 - 30 %
Solvent naphtha, petroleum, light arom.	64742-95-6	3 - 5 %

Component toxicity information:

Ethylene glycol (107-21-1)

Acute oral toxicity: LD50 4,700 mg/kg (Rat)

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

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:

Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water immediately to reduce concentration. Seek medical attention immediately.

Advice to doctor / Treatment:

None known.

Section 05 - Fire fighting measures

Flashpoint:

65 °C

Method: Pensky-Martens closed cup

Extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Cool containers/tanks with water spray.



Hazardous combustion products:

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.

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:

Keep away from heat, sparks and open flames. - Avoid breathing vapors or contact with skin, eyes, and clothing.- Use only with adequate ventilation and proper protective eyewear, face shield, gloves and clothing. Wash thoroughly after handling. Keep container closed. Wash thoroughly after handling.

Further info on storage conditions:

Keep containers tightly closed in a cool, well-ventilated place.
Handle and open container with care.
Store in original container.

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	
Ethylene glycol (Aerosol)	107-21-1	USA. ACGIH Threshold Limit Values (TLV)	Ceiling limit		100 mg/m3
Ethylene glycol	107-21-1	USA. ACGIH Threshold Limit Values (TLV)	Ceiling limit		100 mg/m3

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:

Tightly fitting safety goggles

Other protective equipment:

Avoid skin contact.
Wear suitable protective clothing.

Advice on system design:

Local ventilation recommended - mechanical ventilation may be used.



Section 09 - Physical and chemical properties

Form:	Liquid
Color:	Clear, light amber
Odor:	pungent
pH:	5.5 - 6
Solubility in water:	completely soluble
Density:	1.00 - 1.04 g/cm ³ (25 °C)
Freezing point :	-38 °C

Section 10 - Stability and reactivity

Hazardous Polymerization:	Hazardous polymerisation does not occur.
Incompatibility with (Conditions to avoid) :	Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.

Section 11 - Toxicological information

Skin irritation:	irritating The product has not been tested. The information is derived from the properties of the individual components.
Eye irritation:	irritating
Sensitization:	non-sensitizing 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:

Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.



Section 14 - Transport information

TDG	not restricted
IATA	not restricted
IMDG	not restricted

Section 15 - Regulatory information

Registration status

DSL:	yes
NDSL:	no

CEPA

Listed as toxic substance:	Listed
Listed as priority substance:	Listed

NPRI	Listed
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TSCA Status:

All components of this product are listed on the TSCA Inventory.

FDA:

Permitted for Use per Section:	NONE
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Section 16 - Other information

Prepared by: Prairie Mud Service
April 16, 2019

The information contained on this SDS is to the best of our knowledge an accurate summary of the data available as of the date of preparation. Prairie Mud Service is not liable for the application or use of this information in situations beyond its control or outside the normal and expected use of its product. Prairie Mud Service assumes no responsibility for damage or injury from the use of the product described herein.