



Section 01 - Product and company identification

Product Name: H2S Scavenger

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

Primary product use: Hydrogen sulfide scavenger

Section 02 - Hazards identification

Classification:

WHMIS controlled: yes
Class: B2
D 1 B
D 2 A
D 2 B



Flammable
Toxic if swallowed.
Harmful by inhalation and in contact with skin.

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.
Methanol: toxic by ingestion, inhalation and skin contact. Danger of very serious irreversible effects through ingestion, inhalation and skin contact including blindness. Highly flammable. Teratogen.
Monoethanolamine: harmful by ingestion and inhalation. 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 cause liver and kidney damage. May damage the developing fetus.

Section 03 - Composition/information on ingredients

Hazardous ingredients:

Component	CAS number	Concentration
Alkanolamine/Aldehyde condensate		60 - 100 %
Methyl alcohol	67-56-1	10 - 30 %
Monoethanolamine	141-43-5	1 - 5 %

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Component toxicity information:

Methyl alcohol (67-56-1)

Acute oral toxicity: LDO 428 mg/kg (Humans)

Monoethanolamine (141-43-5)

Acute oral toxicity: LD50 2,140 mg/kg (Rat)

Section 04 - First aid measures

After inhalation:

Get victim to fresh air. Loosen tight clothing such as collar, tie, belt or waistband. If breathing is difficult administer oxygen. If victim is not breathing, give mouth to mouth resuscitation.

Get prompt medical attention. Warning: giving mouth to mouth resuscitation when the inhaled material is toxic may be hazardous to the person providing aid.

After contact with skin:

Remove contaminated clothing and wash affected areas with plenty of water. Get immediate medical assistance for treatment of burns.

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
Method: Pensky-Martens (DIN EN ISO 2719) (closed cup)

Ignition temperature: not tested.

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

Special fire fighting procedure:

Wear full protective clothing and self-contained breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Cool endangered containers with water spray jet.

Hazardous combustion products:

In case of fire hazardous decomposition products may be produced such as:

Carbon oxides

Nitrogen oxides (NOx)

Container explosion may occur under fire conditions.

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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.

Further info on storage conditions:

Keep containers tightly closed in a cool, well-ventilated place.
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
Methanol	67-56-1	USA. ACGIH Threshold Limit Values (TLV)	8-hour, time-weighted average	200 ppm	
Methanol	67-56-1	USA. ACGIH Threshold Limit Values (TLV)	Short-term exposure limit	250 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: light yellow
Odor limit: not tested.
pH: 10 - 11

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Solubility in water:	completely soluble
Density:	1.035 - 1.05 g/cm ³ (20 °C)
Freezing point :	< -34 °C

Section 10 - Stability and reactivity]

Thermal decomposition:	No decomposition if used as directed.
Chemical stability:	Stable
Hazardous Polymerization:	no Conditions to avoid: Strong oxidizing agents
Incompatibility with (Conditions to avoid) :	Keep away from heat and flames. Avoid contact with oxidizing materials.
Hazardous decomposition products	Nitrogen oxides (NO _x) Carbon monoxide and carbon dioxide

Section 11 - Toxicological information

Acute oral toxicity:	May be harmful if swallowed., Data relate to methanol
Skin irritation:	irritating Information refers to the main component.
Eye irritation:	irritating Information refers to the main component.

Section 12 - Ecological information

Product information:

Remarks:

The product should not be allowed to enter drains, water courses or the soil.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Component information:

Methanol (67-56-1)

Biodegradation:	99 % (28 d) Method: OECD Test Guideline 301D
Fish toxicity:	LC50 19,000 mg/l (96 h, Oncorhynchus mykiss (rainbow trout))
Daphnia toxicity:	LC50 > 10,000 mg/l (24 h)
Bacteria toxicity:	IC50 > 1,000 mg/l (3 h, activated sludge)

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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

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): Methanol

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): Methanol

IMDG

Proper shipping name: Flammable liquid, n.o.s.
Class: 3
Packing group: III
UN no.: UN 1993
Primary risk: 3
Hazard inducer(s): Methanol
Em S: F- E S-E

Section 15 - Regulatory information

Registration status

DSL: y e s
NDSL: no

CEPA

Listed as toxic substance: Not listed
Listed as priority substance: Not listed

NPRI

Listed

TSCA Status:

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

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Section 16 - Other information

**Prepared By: Prairie Mud Service
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