

## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** AQUASORB  
**Product Identifier** Super absorbent polyacrylamide.  
**Product Family** Lost Circulation Material / Absorbent  
**Supplier** Prairie Mud Service 738 6th Street Estevan, SK S4A 1A4  
306-634-3411  
**Emergency Contact Information** 306-634-3411  
**Use** Drilling Fluid Additive

### 2. HAZARDS IDENTIFICATION

**Emergency Overview** White powder. Odourless. Aqueous solutions, or powders that become wet, render surfaces extremely slippery.

#### Potential Health Effects

**Inhalation** Not harmful. Can be slightly irritating to the respiratory system.

**Skin Contact** Not irritating. May cause mechanical irritation.

**Eye Contact** Not irritating. May cause slight irritation as a "foreign object". Tearing, blinking and mild temporary pain may occur as particles are rinsed from the eye by tears.

**Ingestion** Not harmful.

#### Potential Environmental Effects

It is good practice to prevent releases into the environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no hazardous ingredients.

### 4. FIRST AID MEASURES

#### First Aid Procedures

**Inhalation** Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as collar, tie, belt or waistband. Allow the victim to rest in a well-ventilated area.

**Skin Contact** Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap for 5 minutes. Avoid direct contact. Wear chemical protective clothing if necessary.

**Eye Contact** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If irritation or pain persists, see a doctor.

**Ingestion** Induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If victim is not breathing, perform mouth-to-mouth resuscitation. Get medical attention.

### 5. FIRE FIGHTING MEASURES

**Flammable Properties** Does not burn.

**Suitable Extinguishing Media** Not combustible. Use extinguishing agent suitable for surrounding fire.

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**Unsuitable Extinguishing Media** None known.

**Specific Hazards Arising from the Chemical** Aqueous solutions, or powders that become wet, render surfaces extremely slippery.

**Protective Equipment and Precautions for Firefighters** Avoid dust formation. Take precautionary measures against static discharges. Wear clothing made of chemical protective materials to prevent skin contact.  
A full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Handle in accordance with good industrial hygiene and safety practice. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Use the Personal Protective Equipment recommended in Section 8 of this MSDS.

**Environmental Precautions** It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

**Methods for Containment and Clean-up** Avoid creating and breathing dust. Use appropriate tools to put the spilled solid in a convenient waste disposal container. After cleaning, flush away traces with water; wet product may create a slipping hazard. Collect washing for disposal.

## 7. HANDLING AND STORAGE

**Handling** Keep container dry. Do not breathe dust. Wear personal protective equipment to avoid direct contact with this chemical. If you feel unwell, seek medical attention and show the label when possible.

**Storage** Store in an area that is: dry. Do not store in unlabeled containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guideline Comments** Exposure Guidelines not available.

**Engineering Controls** General ventilation is usually adequate.

### Personal Protective Equipment (PPE)

**Eye/Face Protection** Safety glasses with side shields are recommended.

**Skin Protection** Skin contact should be minimized through use of suitable long-sleeved clothing (i.e. shirt and pants, coveralls). Chemically resistant gloves should be used.

**Respiratory Protection** Wear a NIOSH-approved dust respirator where dust occurs.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. It is good practice to: avoid breathing product, avoid eye and skin contact and wash hands thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Appearance</b>	White powder.
<b>Odour</b>	Odourless
<b>Molecular Formula</b>	Not available
<b>Molecular Weight</b>	Not available
<b>Boiling Point</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available

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<b>Relative Density (water = 1)</b>	0.8
<b>Solubility in Water</b>	Insoluble
<b>pH</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flash Point</b>	> 93.3 °C
<b>Lower Flammable/Explosive Limit</b>	Not available
<b>Upper Flammable/Explosive Limit</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Normally stable.
<b>Conditions to Avoid</b>	Generation of dust.
<b>Incompatible Materials</b>	Strong oxidizing agents (e.g. perchloric acid).
<b>Hazardous Decomposition Products</b>	Oxides of carbon, nitrogen.
<b>Possibility of Hazardous Reactions</b>	None known.

## 11. TOXICOLOGICAL INFORMATION

### General Comments

No LD50 or LC50 data available.

### Skin Irritation/Corrosion

Not a skin irritant.

### Eye Irritation/Corrosion

Not an eye irritant.

### Carcinogenicity

Not specifically evaluated.

No information was located for: Effects of Short-Term (Acute) Exposure, Effects of Long-Term (Chronic) Exposure, Respiratory and/or Skin Sensitization, Teratogenicity / Embryotoxicity, Reproductive Toxicity, Mutagenicity, Toxicologically Synergistic Materials

## 12. ECOLOGICAL INFORMATION

**General Comments** No ecotoxicity or environmental fate data available.

## 13. DISPOSAL CONSIDERATIONS

Recycle and reuse product, if possible. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## 14. TRANSPORT INFORMATION

### Shipping Information

Not regulated under Canadian TDG Regulations.

### Other Transport Information

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**Special Shipping Information** Not applicable

## 15. REGULATORY INFORMATION

### Canada

#### WHMIS Classification

Not a WHMIS controlled product.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

#### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All intentional components of this product are either on the DSL, the confidential DSL or notifications / import restrictions are in place.

## 16. OTHER INFORMATION

**Date of Preparation** April 15, 2019

**Additional Information** This Health and Safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage, and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.