

Safety Data Sheet

SECTION 1. IDENTIFICATION

Product Identifier ULTRA SEAL® PLUS
Other Means of Identification Organic cellulosic fibres blend
Product Family Lost Circulation Material
Recommended Use Drilling Fluid Additive.
Supplier Identifier Prairie Mud Service, 738 6th Street, Estevan, SK S4A 1A4 306-634-3411

Emergency Phone No. 306-634-3411

SECTION 2. HAZARD IDENTIFICATION

Classification

Carcinogenicity - Category 1A

Label Elements



Signal Word:

Danger

Hazard Statement(s):

May cause cancer.

Precautionary Statement(s):

Prevention:

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF exposed or concerned: Get medical advice or attention.

Storage:

Store locked up.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

Product is slippery if wet.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Cellulose	9004-34-6	99-100	
Crystalline Silica, Quartz	14808-60-7	0.1-1	

SECTION 4. FIRST-AID MEASURES

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First-aid Measures

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Skin Contact

Wash thoroughly with soap and water. Remove contaminated clothing and launder before re-use. If adverse symptoms develop, seek medical attention.

Eye Contact

Immediately flush eyes with running water for at least 15 minutes. If adverse symptoms develop, seek medical attention.

Ingestion

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious or convulsing victim. If signs of irritation or toxicity occur, seek medical attention.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, skin, respiratory system.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use extinguishing agent suitable for surrounding fire.

Specific Hazards Arising from the Product

May burn with surrounding fire.

Particulate may accumulate static electricity. Dusts at sufficient concentrations can form explosive mixtures with air. No hazardous combustion products known.

Special Protective Equipment and Precautions for Fire-fighters

Evacuate area of all unnecessary personnel. Fight fire from a safe distance or a protected location. Use water spray from a safe distance to cool fire-exposed containers. Keep water run off out of sewers and waterways.

Firefighters should wear a full-body encapsulating chemical protective suit with positive-pressure self-contained breathing apparatus (SCBA).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent spilled material and/or runoff from entering waterways, drains and sewers.

Methods and Materials for Containment and Cleaning Up

Use appropriate safety equipment. Evacuate surrounding area, if necessary. Wet product may create a slipping hazard. Contain spilled material. Avoid the generation of dust. Sweep, vacuum or shovel and place in closable container for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid generating and breathing dust. Product is slippery if wet. Only use where there is adequate ventilation. Wash thoroughly after handling. Use proper bonding and/or grounding procedures.

Handle in accordance with good industrial hygiene and safety practice. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

Conditions for Safe Storage

Store in a cool, dry, well ventilated place. Keep container tightly closed and away from incompatible materials. Follow

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safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

(cellulose)

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. 10 mg/m³

OSHA = US Occupational Safety and Health Administration. TWA = Time-Weighted Average. PEL = Permissible Exposure Limits. 15 mg/m³ (total dust); 5 mg/m³ (respirable)

(crystalline silica, quartz)

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. 0.025 mg/m³ (respirable)

OSHA = US Occupational Safety and Health Administration. TWA = Time-Weighted Average. The PEL for Mineral Dusts containing crystalline silica are 10 mg/m³ divided by the value of (%SiO₂+2) for quartz; ½ the calculated quartz value for cristobalite and tridymite.

NIOSH. TWA = Time-Weighted Average. 0.05 mg/m³ (respirable), based on 10-hr day, 40-hr week.

Appropriate Engineering Controls

Use process enclosures, local exhaust ventilation or engineering controls to keep airborne levels below recommended exposure limits.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear protective clothing as required to prevent contact. Chemical resistant gloves made of neoprene or nitrile are recommended for prolonged and repeated contact.

Respiratory Protection

If use creates dust formations, then a NIOSH-approved respirator with dust cartridge is recommended.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Tan Granules.
Odour	Mild
pH	Not available
Evaporation Rate	Not applicable
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	1.40 - 1.65 at 68 °F
Solubility	Insoluble in water
Other Information	
Physical State	Solid

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Keep away from heat, sparks and open flame.

Incompatible Materials

Oxidizing agents (e.g. peroxides).

Hazardous Decomposition Products

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Not determined.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eye contact; skin contact; inhalation.

Acute Toxicity

(cellulose)

LD50 Oral Rat: >5,000 mg/kg

(cellulose) Dermal

LD50: >2,000

LC50: >5,800 m

Skin Corrosion/Irritation

May cause mechanical irritation.

Serious Eye Damage/Irritation

May cause mechanical irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Inhalation of dust may cause sneezing.

Symptoms include coughing and shortness of breath.

Ingestion

May cause gastric distress, nausea and vomiting if ingested.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Long term contact may cause skin dryness.

Product contains small amounts of crystalline silica. Long term inhalation of particulate can cause irritation, inflammation and/or permanent injury to the lungs. Illnesses such as pneumoconiosis ("dusty lung"), pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma may develop. Long term contact can also cause skin dryness.

Carcinogenicity

IARC: Group 1 – Carcinogenic to humans.

NTP: Reasonably anticipated human carcinogen.

ACGIH®: A2 – Suspected human carcinogen.

No information was located for: Respiratory and/or Skin Sensitization, Development of Offspring, Sexual Function and Fertility, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

No ecotoxicity or environmental fate data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill. Ensure that the containers are empty by the RCRA criteria prior to disposal in a permitted industrial landfill.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS 1988 Classification



Class D2A

D2A - Very Toxic

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

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA.

Additional USA Regulatory Lists

SARA 311/312 Hazard Categories: Delayed (chronic) health hazard.

California Proposition 65: This product contains the following substances known to the State of California to cause cancer and/or reproductive harm: crystalline silica.

SECTION 16. OTHER INFORMATION

Phone No. (306)634-3411

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Disclaimer 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.

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