

SAFETY DATA SHEET

**Section 1: IDENTIFICATION**

**Product Identifier:** Ultra Seal XP  
**Chemical Name:** Cellulosic fiber blend (organic)  
**Recommended Use:** Loss of circulation additive, drilling fluid additive.  
**Supplier:** Bri-Chem Supply Ltd.  
27075 Acheson Road  
Acheson, AB T7X 6B1  
**Phone Number:** 780-962-9490  
**Emergency Phone:** CHEMTREC 1-800-424-9300, 24/7

**Section 2: HAZARD(S) IDENTIFICATION**

**NFPA:**      **Health:** 0      **Flammability:** 0      **Instability/Reactivity:** 0

**GHS Classification:**

**Health Hazard:** Carcinogenicity – Category 1A



**Environmental Hazards:** Not classified

**Physical Hazards:** Combustible dust

**Label Elements:**



**Signal Word:** Danger

**Hazard Statements:** H350 May cause cancer  
H232 May form combustible dust concentrations in air

**Precautionary Statements:** P101 If medical advice is needed, have product container or label at hand  
P102 Keep out of reach of children  
P103 Read label before use  
P201 Obtain special instructions before use  
P202 Do not handle until all safety precautions have been read and understood  
P240 Ground/bond container and receiving equipment  
P241 Use explosion-proof electrical/ventilating/lighting/equipment  
P243 Take precautionary measures against static discharge  
P270 Do not eat, drink or smoke when using this product

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P280 Wear protective gloves/clothing/eye and face protection  
P281 Use personal protection equipment as required  
P308+313 If exposed or concerned: Get medical advice/attention  
P405 Store locked up  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Substance                  | CAS #      | Wt. %  |
|----------------------------|------------|--------|
| Cellulose                  | 9004-34-6  | 0-99.9 |
| Crystalline Silica, Quartz | 14808-60-7 | 0.1-1  |

### Section 4: FIRST-AID MEASURES

|                           |   |
|---------------------------|---|
| <b>Inhalation:</b>        | IF INHALED: Remove person to fresh air and ensure comfortable breathing. Get medical attention if irritation persists.  |
| <b>Skin Contact:</b>      | IF ON SKIN: No health effects are expected. Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists. |
| <b>Eye Contact:</b>       | IF IN EYES: Rinse cautiously with water. Remove contact lenses, if present and easy to do so. Continue rinsing. Get medical attention if irritation persists. |
| <b>Ingestion:</b>         | IF SWALLOWED: drink plenty of water or milk. Never give anything by mouth to an unconscious or convulsing victim. Get medical attention if you feel unwell.   |
| <b>Note to Physician:</b> | Treat symptomatically   |

### Section 5: FIRE-FIGHTING MEASURES

|  |   |
|--|---|
| <b>Flash Point:</b>                    | Not determined  |
| <b>Suitable Extinguishing Media:</b>   | Use extinguishing agent suitable for surrounding fire.  |
| <b>Unsuitable Extinguishing Media:</b> | None known  |
| <b>Special Exposure Hazards:</b>       | Particulate may accumulate static electricity. Dusts at sufficient concentrations can form explosive mixtures with air.   |
| <b>Combustion Products:</b>            | None known  |
| <b>Protection of Firefighters:</b>     | Fire fighters should wear full firefighting turn-out gear (full bunker gear) and respiratory protection (SCBA). Use water spray to cool fire exposed containers and structures until fire is out it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes. |

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NFPA Hazard Classification: Health: - Flammability: 1 Instability: 0 Special: None known

### Section 6: ACCIDENTAL RELEASE MEASURES

Determine whether to evacuate or isolate the area according to your local emergency plan.

**Personal Precautions:** Use suitable protective equipment (see section 8) to prevent contamination of skin, eyes and personal clothing. Provide sufficient ventilation. No special technical protective measures are required.

**Methods for Clean Up:** Use appropriate safety equipment and PPE. Evacuate surrounding area, if necessary. Dispose in accordance with applicable regulations and product characteristics at time of disposal (see also Section 13). Clean area as appropriate since spilled materials, even in small quantities, can present a slip hazard.

### Section 7: HANDLING AND STORAGE

**Handling:** Use proper PPE. Prevent spills and leakage. No special technical protective equipment measures are required. Handle in accordance with good industrial hygiene and safety practices. Use where there is adequate ventilation. Use proper bonding and/or grounding procedures.

**Storage:** Store in a cool, dry well-ventilated place in the original container. Keep away from incompatible materials. Follow safe warehouses practices regarding palletizing, shrink-wrapping and stacking.

### Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guideline:** Cellulose

ACGIH®=American Conference of Governmental Industrial Hygienists.

TLV®=Threshold Limit Value TWA= Time-weighted Average. 10 mg/m<sup>3</sup>

OSHA=US Occupational Safety and Health Administration. TWA = Time-Weighted Average.

PEL=Permissible Exposure Limits. 15 mg/m<sup>3</sup> (total dust); 5 mg/m<sup>3</sup> (respirable) (crystalline silica, quartz)

ACGIH®=American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-weighted Average. 0.25 mg/m<sup>3</sup> (respirable)

OSHA = US Occupational Safety and Health Administration. TWA Time Weighted Average. The PEL for Mineral dusts containing crystalline silica are 10 mg/m<sup>3</sup> divided by the value of (%SiO<sub>2</sub>+2) for quartz; ½ the calculated quartz value for cristobalite and tridymite.

NIOSH. TWA= Time-Weighted Average. 0.05 mg/m<sup>3</sup> (respirable), based on 10-hr day, 40-hr week.

**Engineering Controls:** Local exhaust ventilation is recommended during all processing operations.

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**Personal Protection**

- General:** General hygiene considerations are appropriate when used as recommended. The following precautions are recognized as common good industrial hygiene practice. Emergency conditions may require additional precautions. Follow precautions listed and recommendations for personal protective equipment.
- Eye:** Wear eye and face protection. Have eye-wash stations available where eye contact can occur.
- Skin:** Avoid skin contact. Wear gloves impervious to conditions of use. Additional protection may be necessary to prevent skin contact including use of apron, face shield, boots or full body protection. Wash hands thoroughly after handling. A safety shower should be located in the work area.
- Respiratory:** NIOSH approved respiratory protection should be worn if exposure limits are exceeded. A NIOSH approved respirator is generally acceptable for concentrations up to 10 times the PEL. Use a NIOSH approved air-supplied respirator for higher concentrations, unknown concentrations and for oxygen deficient atmospheres. Use only outdoors or in a well-ventilated area. Engineering controls are the preferred means for controlling chemical exposures. In case of inadequate ventilation wear respiratory protection. Respiratory protection may be needed for non-routine or emergency situations.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance:** Tan powder
- Odor:** Slight, mild
- Odor Threshold:** Not available
- pH:** 6-8
- Melting/Freezing Point/Range:** Not available
- Boiling Point:** Not available
- Flash Point:** Not available
- Evaporation Rate:** Not available
- Flammability (Solid, Gas):** Not available
- Upper/Lower Flammability or Explosive Limits:** Not available
- Vapor Pressure @ 25°C:** Not available
- Vapour Density:** Not available

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|   |                            |
|---|----------------------------|
| <b>Bulk Density:</b>                            | 16.657 lbs/ft <sup>3</sup> |
| <b>Solubility in Water:</b>                     | Insoluble                  |
| <b>Solubility in Fats/Oils:</b>                 | Not available              |
| <b>Partition Coefficient (n-octanol-water):</b> | Not available              |
| <b>Autoignition Temperature:</b>                | Not available              |
| <b>Decomposition Temperature:</b>               | Not available              |

**Section 10: STABILITY AND REACTIVITY**

|                                |  |
|--------------------------------|--|
| <b>Chemical Stability:</b>     | Product is stable at ambient temperature and pressure. |
| <b>Hazardous Reactions:</b>    | Hazardous polymerization will not occur.               |
| <b>Conditions to Avoid:</b>    | None identified  |
| <b>Incompatible Materials:</b> | Oxidizing material can cause a reaction.               |
| <b>Hazardous:</b>              | None determined  |
| <b>Decomposition Products:</b> | None determined  |

**Section 11: TOXICOLOGICAL INFORMATION**

|   |   |
|---|---|
| <b>LD50 Oral Rat:</b>                           | >5,000 mg/kg  |
| <b>Skin Irritation:</b>                         | May cause mechanical irritation.  |
| <b>Eye Irritation:</b>                          | May cause mechanical irritation.  |
| <b>Effects of Short Term (Acute) Exposure</b>   |   |
| <b>Inhalation:</b>                              | Symptoms include coughing and shortness of breath.  |
| <b>Ingestion:</b>                               | May cause gastric distress, nausea and vomiting if ingested.  |
| <b>Effects of Long Term (Chronic) Exposure:</b> | Product contains small amounts of crystalline silica. Long term Inhalation of the particles 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 cause skin dryness. |
| <b>Carcinogenicity</b>                          |   |
| <b>IARC:</b>                                    | Group 1 – Carcinogenic to Humans.   |
| <b>NTP:</b>                                     | Reasonable anticipated human carcinogen.  |
| <b>ACGIH®:</b>                                  | A2 – Suspected human carcinogen.  |
| <b>No Information Located:</b>                  | Respiratory and/or Skin Sensitization, Teratogenicity/ Embryotoxicity, Reproductive Toxicity, Toxicologically Synergistic Materials.  |

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**Section 12: ECOLOGICAL INFORMATION**

|   |  |
|---|--|
| <b>Environmental Fate and Distribution:</b> | Not available                              |
| <b>Environmental Effects Toxicity:</b>      | Complete information is not available yet. |
| <b>Persistence and Degradation:</b>         | Not available                              |
| <b>Bioaccumulative Potential:</b>           | Not available                              |
| <b>Mobility in Soil:</b>                    | Not available                              |
| <b>Effects in Waste Plants:</b>             | Not available                              |

**Section 13: DISPOSAL CONSIDERATIONS**

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**

|  |                                  |
|--|----------------------------------|
| <b>DOT Road Shipment Information (49 CFR 172.101):</b> | Not subject to DOT.              |
| <b>Ocean Shipment (IMDG):</b>                          | Not subject to IMDG Code.        |
| <b>Air Shipment (IATA):</b>                            | Not subject to IATA regulations. |

**Section 15: REGULATORY INFORMATION**

**Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200 USA**

**TSCA Status:** All chemical substances in this material are included on or exempted from listing on the TSCA inventory of Chemical Substances.

**Section 311/312 Hazard Class (40CFR 370):** Delayed (chronic) health hazard.

**Supplemental State Compliance Information**

**“California” Warning:** This product contains the following known substances known to the State of California to cause cancer and/or reproductive harm: **Crystalline Silica.**

| CAS Number | Wt % | Component Name                           |
|------------|------|--|
| 14808-60-7 |      | Crystalline silica (quartz) - Carcinogen |

**New Jersey**

| CAS Number | Wt % | Component Name              |
|------------|------|-----------------------------|
| 9004-34-6  | 0-96 | Cellulose                   |
| 14808-60-7 | .1-1 | Crystalline Silica (Quartz) |

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Pennsylvania

**CAS Number**

9004-34-6

14808-60-7

**Wt %**

0-96

.1-1

**Component Name**

Cellulose

Crystalline Silica (Quartz)

**Section 16: OTHER INFORMATION**

**Disclaimer:**

The information contained herein is based on data available to us and is believed to be true and accurate. However, no guarantee or warranty is provided, expressed or implied, by the company or its subsidiaries regarding accuracy of the information, the hazards connected with the use of the material, or the results to be obtained from the use thereof. Since the use of this product is within the exclusive control of the user, we do not assume any responsibility and expressly disclaim any liability for any use of this product. It is the user's responsibility to determine the conditions of safe use, storage, and disposal of the product. Compliance with all applicable federal, provincial, and local regulations remains the responsibility of the user.

**Prepared by:** Bri-Chem Supply Ltd.

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