

## SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: **ULTRA SEAL C & XP**  
OTHER MEANS OF IDENTIFICATION: None  
RECOMMENDED USE: Drilling fluid additive  
RESTRICTIONS ON USE: None  
SUPPLIER IDENTIFIER: **Di-Corp**  
**8750-53 Ave**  
**Edmonton, AB T6E 5G2**  
**780-440-4923**  
EMERGENCY PHONE NUMBER: 780-468-4064

## SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION: Not classified according to Part 2 of HPR.  
LABEL SYMBOLS: Not applicable  
SIGNAL WORD: Not applicable  
HAZARD STATEMENTS: Not applicable  
OTHER HAZARDS: Not applicable  
PRECAUTIONARY STATEMENTS: Not applicable

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Cellulose	9004-34-6	99-100%
Silica, crystalline quartz	14808-60-7	0.0 – 0.1%

## SECTION 4: FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing; wash exposed area thoroughly with soap and water. If irritation develops and persists obtain medical attention.

EYE CONTACT: Immediately flush eyes with gently flowing warm water for 15 minutes, or until irritation ceases. If irritation persists, obtain medical attention.

INGESTION: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

INHALATION: Move to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues, obtain medical attention.

MOST IMPORTANT SYMPTOMS / EFFECTS: May contain trace amounts of crystalline silica: Long term inhalation of respirable silica may cause lung damage and/or cancer.

IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT: Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, water spray or foam.

UNSUITABLE EXTINGUISHING MEDIA: None known.

SPECIFIC FIRE HAZARDS: Particulate may accumulate static electricity. Dusts at sufficient concentrations can form explosive mixtures with air.

HAZARDOUS COMBUSTION PRODUCTS: Not available.

SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS:

Self-contained breathing apparatus required for fire-fighting personnel. Move from fire area if possible.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use appropriate safety equipment. Do not flush with water. The product swells in water. The product, when wet, renders surfaces extremely slippery.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Sweep up or vacuum to collect spilled material. Collect uncontaminated material for repackaging. Collect contaminated material and absorbent in approved containers for disposal. Wash spill area with water thoroughly until non-slippery.

## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Avoid skin and eye contact. Wash thoroughly after handling. Slippery when wet.

### CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in a cool, dry area away from incompatible materials. Keep away from heat and sources of ignition. Incompatible with oxidizing agents.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

Cellulose: OSHA PEL TWA = 15 mg/m<sup>3</sup>

Silica, crystalline quartz: ACGIH TLV TWA = 0.025 mg/m<sup>3</sup>

ENGINEERING CONTROLS:

Use local exhaust ventilation, process enclosure or other engineering controls as required to maintain dust concentration below TLV's.

### PERSONAL PROTECTIVE MEASURES

RESPIRATORY PROTECTION:

Wear NIOSH approved dust masks or respirators for silica bearing dust.

PROTECTIVE GLOVES:

Rubber gloves recommended.

EYE PROTECTION:

Safety glasses with side-shields or chemical goggles.

OTHER PROTECTIVE EQUIPMENT (SPECIFY):

Ensure eye-wash station and emergency shower are available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Tan powder

ODOUR:

Mild

ODOUR THRESHOLD:

Not applicable

pH:

Not available

MELTING POINT / FREEZING POINT:

Not available

BOILING POINT / RANGE:

Not available

FLASH POINT:

Not available

EVAPORATION RATE:

Not available

FLAMMABILITY:

Not available

FLAMMABILITY / EXPLOSIVE LIMITS:

Not available

VAPOUR PRESSURE:

Not applicable

VAPOUR DENSITY:

Not applicable

RELATIVE DENSITY:

1.2 @ 20°C

SOLUBILITY:

Insoluble in water

PARTITION COEFFICIENT:

Not available

AUTO-IGNITION TEMPERATURE:

Not available

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY: Not applicable

## SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No information available  
 CHEMICAL STABILITY: Stable under normal conditions  
 POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.  
 CONDITIONS TO AVOID: Keep away from heat, sparks and flames.  
 INCOMPATIBLE MATERIALS: Oxidizing agents.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Not available.

## SECTION 11: TOXICOLOGICAL INFORMATION

COMPONENT	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
Cellulose	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	>5800 mg/m <sup>3</sup> (rat)
Quartz; crystalline silica	Not available	Not available	Not available

SKIN CONTACT: No effects expected.  
 EYE CONTACT: Particles may cause mechanical irritation.  
 INGESTION: No adverse effects expected from incidental ingestion.  
 INHALATION: No effects expected.  
 CARCINOGENICITY: Not listed by IARC, NTP, ACGIH or OSHA.  
 TERATOGENICITY: Not toxic based on available information.  
 REPRODUCTIVE TOXICITY: Not toxic based on available information.  
 MUTAGENICITY: Not mutagenic based on available information.  
 CHRONIC TOXICITY: Product may contain trace 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.  
 TARGET ORGAN EFFECTS: No information available.

## SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: No information available.  
 PERSISTENCE AND DEGRADABILITY: No information available.  
 BIOACCUMULATIVE POTENTIAL: No information available.  
 MOBILITY IN SOIL: No information available.  
 OTHER ADVERSE EFFECTS: No information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose/incinerate in accordance with federal, state and local regulations. Can be landfilled or incinerated, when in compliance with local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal.

## SECTION 14: TRANSPORTATION INFORMATION

TDG Not regulated  
 DOT Not regulated  
 IATA Not regulated

IMDG	Not regulated
IMDG HAZARDS:	Not applicable
BULK TRANSPORT:	Not applicable
SPECIAL PRECAUTIONS:	Not applicable

## **SECTION 15: REGULATORY INFORMATION**

DSL:	All ingredients are listed on the DSL.
WHMIS CLASS:	Not controlled
TSCA:	All ingredients are listed or exempt from listing.

## **SECTION 16: OTHER INFORMATION**

REVISION DATE:	May 17, 2018
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