



# **Prairie Mud Service Ltd.**

*"Serving Western Canada with 24 Hour Drilling Mud Service"*

## **MSDS (Material Safety Data Sheet)**

### **MATERIAL SAFETY DATA SHEET**

#### **SECTION I: IDENTIFICATION OF PRODUCT**

COMPANY: **Prairie Mud Service** DATE: May 19, 2011  
**738 6<sup>th</sup> Street** PHONE: 306-634-3411  
**Estevan, SK S4A 1A4** FAX: 306-634-7310

PRODUCT NAME: **Alcomer 110RD**

PRODUCT USE: Oilwell drilling fluid additive  
CHEMICAL FAMILY: Anionic acrylamide copolymer CAS#: Not available

#### **WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)**

WHMIS CLASSIFICATION: Not a controlled product under WHMIS  
WORKPLACE HAZARD: Treat as a nuisance dust.

#### **TRANSPORTATION OF DANGEROUS GOODS (TDG)**

PROPER SHIPPING NAME: Not regulated under TDG  
TDG CLASSIFICATION: Not applicable  
UN NUMBER (PIN): Not applicable  
PACKING GROUP: Not applicable

#### **SECTION II: HAZARDOUS INGREDIENTS**

| <u>INGREDIENT</u> | <u>% (w/w)</u> | <u>CAS NUMBER</u> | <u>LD<sub>50</sub>Oral-Rat</u> | <u>LC<sub>50</sub>Inhal-Rat</u> | <u>ACGIH-TLV</u> |
|-------------------|----------------|-------------------|--------------------------------|---------------------------------|------------------|
|-------------------|----------------|-------------------|--------------------------------|---------------------------------|------------------|

Contains no WHMIS controlled ingredients

#### **SECTION III: HEALTH HAZARDS**

ROUTE OF ENTRY:  EYE CONTACT  SKIN  INHALATION  INGESTION  
EYE CONTACT: May cause slight irritation and/or redness.  
SKIN CONTACT: Prolonged or repeated contact may cause slight irritation.  
INGESTION: No adverse effects expected.  
INHALATION: May cause slight irritation of the upper respiratory tract.  
CARCINOGENICITY: None of the components in this product at concentrations greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.  
TERATOGENICITY: No information available  
REPRODUCTIVE TOXICITY: No information available.



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MUTAGENICITY: No information available.  
SYNERGISTIC None known.  
PRODUCTS:

### **SECTION IV: FIRST AID MEASURES**

EYE CONTACT: Flush with gently flowing, warm water for 15 minutes or until irritation ceases. Obtain medical attention when flushing is complete.  
SKIN CONTACT: Remove contaminated clothing and wash affected area thoroughly with soap and water. If irritation persists, or develops, obtain medical attention.  
INGESTION: Do not induce vomiting. If spontaneous vomiting occurs, have victim lean forward to reduce the risk of aspiration. Obtain immediate medical attention.  
INHALATION: Move to area free from dust. Apply oxygen or artificial respiration as required. If breathing difficulties or distress continues, obtain medical attention.

### **SECTION V: PHYSICAL DATA**

|                             |  |
|-----------------------------|--|
| APPEARANCE AND ODOUR:       | White granular powder; no significant odour    |
| SPECIFIC GRAVITY:           | Not available                                  |
| BOILING POINT (°C):         | Not available                                  |
| MELTING POINT (°C):         | Not applicable (product decomposes)            |
| SOLUBILITY IN WATER:        | Soluble                      pH: Not available |
| PERCENT VOLATILE BY VOLUME: | Not available                                  |
| EVAPORATION RATE:           | Not available                                  |
| VAPOUR PRESSURE (mmHg):     | Not available                                  |
| VAPOUR DENSITY (air = 1):   | Not available                                  |
| BULK DENSITY:               | ~500 kg/m <sup>3</sup>                         |

### **SECTION VI: FIRE AND EXPLOSION HAZARD DATA**

|                                     |   |
|-------------------------------------|---|
| FLASH POINT:                        | Not applicable  |
| FLAMMABLE LIMITS:                   | Not applicable  |
| EXTINGUISHING MEDIA:                | Dry chemical, foam or CO <sub>2</sub> in preference to water spray.   |
| SPECIAL FIRE FIGHTING PROCEDURES:   | Self contained breathing apparatus required for fire fighting personnel.  |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: | This product is not a dust explosion risk as supplied, however the build-up of fine dust can lead to a risk of dust explosions. |



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### **SECTION VII: REACTIVITY DATA**

|   |   |               |
|---|---|---------------|
| STABILITY:                                | STABLE [XX]   | UNSTABLE [ ]  |
| INCOMPATIBILITY<br>(CONDITIONS TO AVOID): | Avoid contact with strong oxidants (such as liquid chlorine, enriched gaseous or liquid oxygen, and sodium or calcium hypochlorite), strong acids and strong bases. |               |
| CONDITIONS OF REACTIVITY:                 | Not available.  |               |
| HAZARDOUS DECOMPOSITION<br>PRODUCTS:      | Oxides of carbon and nitrogen, various hydrocarbons and/or ammonia on combustion.   |               |
| HAZARDOUS POLYMERIZATION:                 | WILL NOT OCCUR [XX]   | MAY OCCUR [ ] |

### **SECTION VIII: PREVENTATIVE MEASURES**

#### **SPECIAL PROTECTION INFORMATION**

|  |  |
|--|--|
| RESPIRATORY PROTECTION:                  | Approved dust masks required for dust levels below TLV. Use approved respirators with dust cartridges if airborne concentration exceeds TLV. |
| VENTILATION:                             | Use local exhaust ventilation, process enclosure or other engineering controls to maintain concentration of airborne dust below TLV.         |
| PROTECTIVE GLOVES:                       | Gauntlets recommended.   |
| EYE PROTECTION:                          | Wear safety glasses with side shields as minimum protection.   |
| OTHER PROTECTIVE EQUIPMENT<br>(Specify): | Wear protective clothing to prevent contact. Ensure eyewash station and emergency shower are available.                                      |

### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Warning! Dust generated in handling of this product can be explosive if sufficient quantities are mixed in air, in which case ignition sources should be avoided. Avoid contact with eyes and prolonged or repeated skin contact. Avoid inhalation of dust; wear respiratory protection. Practice reasonable caution and personal cleanliness. Remove contaminated clothing; launder or dry-clean before reuse. Wash thoroughly with soap and water after using. Store in a cool dry area away from incompatible materials. Avoid wet, damp or humid conditions, temperature extremes and ignition sources.



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### **STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED**

Use appropriate safety equipment. Product becomes slippery and difficult to handle when wet; spills are best handled while still dry. Vacuum if possible to avoid generating airborne dust. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Flush spill area thoroughly with water.

### **WASTE DISPOSAL METHOD**

Dispose/landfill in accordance with federal, provincial and local regulations. It may be possible to dispose of uncontaminated product in a landfill; check with local operator. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal.

### **SECTION IX: PREPARATION**

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH,  
BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

DATE ISSUED:            May 19, 2011                            BY:            Product safety committee