



# **Prairie Mud Service Ltd.**

"Serving Western Canada with 24 Hour Drilling Mud Service"

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

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

COMPANY: **Prairie Mud Service** DATE: Oct 15/09  
**738 6<sup>th</sup> Street** PHONE: 306-634-3411  
**Estevan, SK S4A 1A4** FAX: 306-634-6694

PRODUCT NAME: **T-352 BIOCID**

PRODUCT USE: Antimicrobial (Biocide)  
CHEMICAL FAMILY: Aqueous mixture of aldehyde. CAS #: 111-30-8

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

WHMIS CLASSIFICATION: Exempt under Pest Control Products Act Registration #22690 (D1B; D2B; E)  
WORKPLACE HAZARD: Acute toxin (poisonous); toxic (skin sensitizer); corrosive

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

PROPER SHIPPING NAME: Not regulated; aqueous solution below 30%  
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>
Gluteraldehyde	25	111-30-8	134 mg/kg	480 mg/m <sup>3</sup>	0.05 ppm (Ceiling)

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

ROUTE OF ENTRY: [XX] EYE CONTACT [XX] SKIN [XX] INHALATION [XX] INGESTION  
EYE CONTACT: Extremely corrosive! Contact with eyes will cause conjunctivitis (redness and swelling of conjunctiva). Severe corneal injury may occur, possible permanent impairment of vision. Vapours will cause stinging sensations. Corrosive effects may be delayed, and damage may occur without the sensation or onset of pain.

SKIN CONTACT: Corrosive! Brief contact causes irritation. Chemical burns can occur if not promptly removed. May cause staining. Prolonged or wide-spread contact may result in the absorption of potentially harmful amounts of material. Corrosive effects may be delayed, and damage may occur without the sensation or onset of pain. May cause skin sensitization or other allergic responses.





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PERCENT VOLATILE BY VOLUME:	Not available
EVAPORATION RATE:	1.0 (Butyl acetate = 1)
VAPOUR PRESSURE (mmHg):	Not available
VAPOUR DENSITY (air = 1):	Not available
BULK DENSITY:	Not applicable

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

FLASH POINT:	Not applicable
FLAMMABLE LIMITS:	Not applicable
EXTINGUISHING MEDIA:	Use extinguishing media suitable for surrounding materials.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus required for fire fighting personnel. Remove containers from fire area, or cool with water spray, if possible.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	If water is boiled off, the residual material can burn and give off toxic fumes.

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

STABILITY:	STABLE [XX]                      UNSTABLE [ ]
INCOMPATIBILITY (CONDITIONS TO AVOID):	Avoid strong oxidizers, reducing agents, lewis or mineral acids, strong acids, strong alkalis and amines. Avoid high temperatures, sparks, open flames and all other sources of ignition.
CONDITIONS OF REACTIVITY:	Alkalis and acids can catalyze an aldol-type condensation (endothermic, but not expected to be violent).
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon.
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR [XX]    MAY OCCUR [ ]

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

#### **SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION:	Use an approved full face-piece respirator with acid gas, dust, mist, fume cartridges for up to 0.5 ppm glutaraldehyde. SCBA if concentrations are higher or unknown.
VENTILATION:	Local exhaust ventilation, process enclosure or other engineering control when using this product. Ventilation equipment should be corrosion proof.



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PROTECTIVE GLOVES: Neoprene or butyl rubber gloves required.  
EYE PROTECTION: Chemical goggles and full-face shield must be worn at all times when handling this product. Do not wear contact lenses.  
OTHER PROTECTIVE EQUIPMENT (Specify): Impervious rubber apron. Ensure safety shower and eye-wash station are available and functional.

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

Avoid inhalation of vapours/mists. Do not get on skin, in eyes or on clothing. Wear suitable protection for eyes and skin when handling. Use with adequate ventilation. Avoid contact with incompatible materials. Launder contaminated clothing before reuse. Keep container closed when not in use. Store in cool, dry, well-ventilated area. Empty containers contain residual hazardous material, and must be handled and stored as if full.

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

Use appropriate safety equipment including respiratory protection. Stop leak if possible to do so without risk. Dike to prevent spread of material. Collect large spills with vacuum truck. Soak up small spills, and residual from large spills, with absorbent. Collect absorbent in approved containers for disposal. Wash spill area with soap and water. Do not allow material to enter sewers or storm-water inlets.

### **WASTE DISPOSAL METHOD**

Dispose in accordance with federal, provincial and 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. Empty containers must be recycled, or disposed, of in accordance with local regulations.

### **SECTION IX: PREPARATION**

The above information is supplied as a customer service and is provided in good faith. Although it has been based on data drawn from sources deemed to be reliable, Prairie Mud Service cannot guarantee its accuracy and assumes no responsibility for conditions resulting from its use.

DATE ISSUED: October 15, 2009 BY: Product Safety Committee  
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