



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: October 15, 2009
738 6th Street PHONE: 306-634-3411
Estevan, SK FAX: 306-634-7310

PRODUCT NAME: **Torq-Trol II**

PRODUCT USE: Oil well drilling fluid additive.
CHEMICAL FAMILY: Sodium salt solution CAS #: Not applicable

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: D2A
WORKPLACE HAZARD: Very toxic (contains ethylene glycol)

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>LD₅₀Oral-Rat</u> | <u>LC₅₀Inhal-Rat</u> | <u>ACGIH-TLV</u> |
|-------------------|----------------|-------------------|--------------------------------|---------------------------------|-----------------------|
| Ethylene glycol | 5-10 | 107-21-1 | 4700 mg/kg | Not available | 100 mg/m ³ |

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [XX] EYE CONTACT [XX] SKIN [] INHALATION [XX] INGESTION
EYE CONTACT: May cause severe irritation. Prolonged contact may cause damage to eyes.
SKIN CONTACT: May cause slight irritation. Ethylene glycol is absorbed through the skin, but significant harmful effects are not expected by this route of exposure. Prolonged or repeated contact may cause dermatitis.



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SECTION VI: FIRE AND EXPLOSION HAZARD DATA

| | |
|-------------------------------------|---|
| FLASH POINT: | Not available |
| FLAMMABLE LIMITS: | Not available |
| EXTINGUISHING MEDIA: | CO ₂ , foam, dry chemical or water spray |
| SPECIAL FIRE FIGHTING PROCEDURES: | Self-contained breathing apparatus required for fire fighting personnel. Move containers from fire area, or cool with water spray, if possible. |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: | None known. |

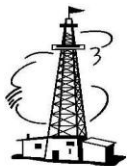
SECTION VII: REACTIVITY DATA

| | | |
|--|---|---------------|
| STABILITY: | STABLE [XX] | UNSTABLE [] |
| INCOMPATIBILITY (CONDITIONS TO AVOID): | Strong oxidizing agents and strong alkalies. | |
| CONDITIONS OF REACTIVITY: | Not applicable | |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Oxides of carbon and oxides of sulphur on combustion. | |
| HAZARDOUS POLYMERIZATION: | WILL NOT OCCUR [XX] | MAY OCCUR [] |

SECTION VIII: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION

| | |
|---------------------------------------|---|
| RESPIRATORY PROTECTION: | Not required under normal conditions of use. If mists or vapours are generated during use, recommend an approved respirator with organic vapour cartridges be used. |
| VENTILATION: | Use local exhaust ventilation, process enclosure or other engineering controls to maintain vapour and mist concentration in air below TLV. |
| PROTECTIVE GLOVES: | Suggest plastic or rubber. |
| EYE PROTECTION: | Wear chemical goggles when handling. |
| OTHER PROTECTIVE EQUIPMENT (Specify): | Standard work clothes and work shoes. Ensure eyewash station and emergency shower are available. |



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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Avoid ingestion. Avoid breathing mist and spray. Wear suitable protective equipment to prevent contact. Wash thoroughly after handling. Launder contaminated clothing before reuse. Keep container closed when not in use. Product may congeal or stratify if cold; warm and mix well before using. Store in a dry area away from incompatibles and ignition sources.

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

Use appropriate safety equipment. Evacuate nonessential personnel from spill area. Stop leak if possible to do so without risk. Dike to contain spill to prevent water pollution. Recover uncontaminated material for repackaging; recover contaminated material in approved container for disposal. Use absorbent to collect residual and small spills. Collect contaminated absorbent in approved containers for disposal. Wash spill area thoroughly with water.

WASTE DISPOSAL METHOD

Dispose of 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.

SECTION IX: PREPARATION

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

DATE ISSUED: October 15, 2009 BY: Product safety committee