



Prairie Mud Service Ltd.

"Serving Western Canada with 24 Hour Drilling Mud Service"

MSDS (Material Safety Data Sheet)

Section I: IDENTIFICATION OF PRODUCT

Product Identifier PRAIRIE DRILL R

Supplier: Prairie Mud Service

738 - 6 Street

Estevan, SK S4A 1A4

(306) 634-3411

Fax (306) 634-6694

Chemical Family / Formula Liquid blend of polysaccharide polymers in suspension

Product Use Drilling Mud Additive

Section II: HAZARDOUS AND/OR INGREDIENT DISCLOSURE COMPONENTS

Name Percent (wt/v%) CAS# LD50 (oral rat) LD50 (dermal rabbit) LC50 (inhalation rat)

Ethoxylated nonyl phenol 1-5 9016-45-9 5100 mg/kg Not determined Not determined

1,6-Hexanedioc Acid 1-5 124-04-9 >5000 mg/kg Not Determined Not determined

Section III: HEALTH HAZARDS

Routes of Entry [XX] SKIN [XX] EYE CONTACT [XX] INHALATION [XX] INGESTION

Threshold Limit Value Not determined

Skin Contact Severe irritant. Can cause redness and inflammation.

Eye Contact Severe irritant. Can cause redness and tearing.

Ingestion Ingestion may cause irritation of mucosal surfaces.

Inhalation

Inhalation may cause irritation of the upper respiratory passages or in hypersensitive individuals, asthma-like reactions with shortness of breath, wheezing, or cough, possibly occurring on subsequent re-exposure to concentrations below established exposure limits.

Carcinogenicity Not determined

Reproductive Toxicity Not determined

Teratogenicity Not determined

Mutagenicity Not determined

Developmental Toxicity Not determined

Section IV: FIRST AID MEASURES

Skin Contact Remove contaminated clothing, and launder before re-use. Wash with soap and water. Material will become slippery and swell on contact with water.

Eye Contact

In case of contact, immediately flush with plenty of low-pressure water for at least 15 minutes.

Remove any contact lenses to assure thorough flushing. Call a physician.

Ingestion

If ingested, do not induce vomiting. Give victim 1-2 glasses of water to drink.

Do not give anything by mouth to an unconscious person. Keep at rest. Seek medical attention.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep at rest. Seek medical attention

Section V: PHYSICAL DATA

Appearance Green liquid suspension

Odour Little odour

Specific Gravity <1.05

Boiling Point (°C) 256-297 °C

Melting Point (°C) Not Determined

Protective Equipment Safety glasses and chemically resistant gloves are recommended



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Solubility in Water Forms colloidal suspension

Percent Volatile by Volume Not Determined

Evaporation Rate 0.1 Approximate

Vapour Pressure (mm Hg) Not determined

Vapour Density (Air = 1) Not determined

pH 3.5 to 6.5

Section VI: FIRE AND EXPLOSION HAZARD DATA

Flash Point >125 °C.

Flammable Limits Not Determined

Extinguishing Media Foam, dry chemical, CO₂, Dry Chemical, Water Spray

Special Fire Fighting Procedures No Special Requirements

Unusual Fire and Explosion Hazards Material becomes very slippery when contacted with water.

Section VII: REACTIVITY DATA

Stability [XX] STABLE [] UNSTABLE

Incompatibility (Conditions to Avoid) Strong oxidizers, acids.

Conditions of Reactivity Not Known

Hazardous Decomposition Products CO_x

Hazardous Polymerization [XX] WILL NOT OCCUR [] MAY OCCUR

Section VIII: PREVENTIVE MEASURES

Respiratory Protection Use NIOSH/MSHA approved respiratory product when ventilation is inadequate.

Ventilation General Mechanical

Protective Gloves Chemically resistant gloves

Eye Protection Safety glasses

Other Protective Equipment (Specify) None required

Steps to be taken in case the Material is Spilled or Released

Clean up with suitable absorbent. Store contaminated absorbent in closed container, dispose according to local regulations.

Handling and Storage

Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Store in sealed containers in a dry place away from heat and sunlight.

Disposal

Dispose of waste material at an approved (hazardous) waste treatment / disposal facility in accordance with applicable local, provincial and federal regulations. Do not dispose of waste with normal garbage, or sewer systems.

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 Prepared: November 6, 2009

Prepared By: Product Safety Committee

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