



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: October 15, 2009
783 6th Street PHONE: 306-634-3411
Estevan, SK S4A 1A4 FAX: 306-634-6694

PRODUCT NAME: **PRAIRIE BREAK**

PRODUCT USE: Oilfield Emulsion Breaker CAS #:

CHEMICAL FAMILY:

WORK PLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: B2;D2b
 WORK PLACE HAZARD: Flammable; Toxic

TRANSPORTATION OF DANGEROUS GOODS (TDG)

SHIPPING NAME: FLAMMABLE LIQUID N.O.S. (AROMATIC PETROLEUM SOLVENT)
 TDG CLASSIFICATION: Class 3
 UN NUMBER (PIN): UN-1993, PACKING GROUP II

SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	CAS NUMBER	LD ₅₀ (Oral-Rat)	LD ₅₀ (Skin-Rab)	LC ₅₀ (Inhal - Rat)	TLV (ACGIH)		PEL (OSHA)	
						TWA	STEL	TWA	STEL
Aromatic Naphtha	<15	64742-94-5	not available	not available	not available			100	
Naphthalene	<2	91-20-3	1250mg/kg	495mg/24 h	not available	10	15	10	15
Isopropanol	<6	67-63-0	not available	not available	not available	400	500	400	500
Cyclohexyllamine	<6	108-91-8	not available	not available	not available	10		10	
Methyl Isobutyl Carbinol (skin)		108-11-2	2.59g/kg	2.89g/kg	2000ppm/4 h	25	40	25	40

SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY: [XX]SKIN [XX]EYE CONTACT [XX]INHALATION [XX]INGESTION

EYE CONTACT: Eye contact may cause irritation and redness.

SKIN CONTACT: Prolonged or repeated contact with skin may cause irritation or contact dermatitis.

INGESTION: May be harmful if ingested.

INHALATION: Inhalation of high levels of vapours or mists may cause lightheadedness, dizziness, headaches or unconsciousness.

OTHER INFORMATION: Petroleum distillates normally enter the body via inhalation of vapours. Petroleum distillates may be irritating to the skin, conjunctiva and the mucous membranes of the upper respiratory tract. Skin chapping and photosensitivity may develop after repeated contact with liquid. This ingredient has a low order of acute oral toxicity, but minute amounts aspirated into the lungs during ingestion may cause severe pulmonary injury or death. Naphthalene is found in this product as a contaminant of the solvent system. It has been reported that continued exposure to naphthalene in humans at concentrations above 15 ppm may result in optical neuritis, corneal injuries as well as lens opacities. Overexposure to high concentration of vapours may cause liver and kidney damage. Isopropanol, a component of this product is of low toxicity regardless of route. The TLV is est. on the basis of eye, nose, throat irritation; accordingly, skin absorption of isopropanol is not expected to contribute significantly to systemic toxicity or to the irritation effects caused by the vapour. Methyl Isobutyl Carbinol is severely irritating to the eyes and vapours may cause irritation. Liquid is slightly irritating to the skin. Prolonged or repeated liquid contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis. Vapours are moderately toxic and may be harmful; may product CMS depression. Low vapour concentrations may be irritating to the nose, throat, and respiratory tract. Liquid is moderately toxic and may be harmful if swallowed; may product CNS depression.



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as described above, should be worn. Due to individual susceptibility and sensitivity, before respirators are used, a full medical evaluation should be performed per 29 CFR 1910.134(b)(10). A thorough review of the job task by a competent safety professional should be conducted to determine the appropriate level of protection. See 29 CFR 1910, Subpart 1 and 29 CFE 1910.133 for further information.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Transport, handle and store in accordance with OSHA Regulation 1910.106 and applicable DOT regulations. Avoid inhalation of vapours or mists. Do not get in eyes, on skin or clothing. Keep container closed when not in use. Wear suitable protection for eyes and skin. Use with adequate ventilation. Avoid contact with oxidizers. Store in well ventilated area. Store in cool, dry area. Control ignition source; keep away from heat, sparks and open flame.

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

Don appropriate protective clothing and respiratory protection prior to entering a spill/leak area. Eliminate ignition sources. Approach area upwind if possible. Shut off leak if it can be done safely. Dike and pump large spills into salvage containers. Soak up residue and small spills with absorbent clay, sand or dirt and place in salvage containers. Spills or leaks of any hazardous materials are reportable—consult local agencies for further information. Continue to observe precautions.

WASTE DISPOSAL METHOD

Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures and processes may change the classification to non-hazardous or hazardous for reasons other than, or in addition to product characteristics. Dispose of all waste and/or containers in accordance with federal, provincial and local regulations.

SECTION IX: PREPARATION

DATE: October 15, 2009

SUPERCEDES: January 31, 2007

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.