



SECTION 1. IDENTIFICATION

Product Identifier PETRO-MUL
Product Family Oil Mud Emulsifier
Recommended Use Drilling Fluid Additive.
Supplier Identifier Prairie Mud Service, 738 6th Street, Estevan, SK S4A 1A4 306-634-3411

Emergency Phone No. 306-634-3411

SECTION 2. HAZARD IDENTIFICATION

Classification

Acute toxicity (Oral) - Category 1; Acute toxicity (Inhalation) - Category 3; Skin irritation - Category 2; Eye irritation - Category 2A; Carcinogenicity - Category 1B; Aspiration hazard - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

May be fatal if swallowed and enters airways.

Toxic if inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause cancer.

Prevention:

Do not handle until all safety precautions have been read and understood.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands and skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If skin irritation occurs: Get medical advice or attention.

If eye irritation persists: Get medical advice or attention.

Take off contaminated clothing and wash it before reuse.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Hydrocarbon (Distillate)	64741-44-2	50-65	
Proprietary fatty amidoamine	N/A	10-30	
Fatty acid	N/A	5-10	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Call a Poison Centre or doctor if you feel unwell. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if needed.

Skin Contact

Immediately flush with plenty of water. Remove contaminated clothing, including shoes, after flushing has begun. If irritation develops or persists, seek medical attention. Thoroughly wash (or discard) contaminated clothing and shoes before re-use.

Eye Contact

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water while holding the eyelid(s) open for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation develops or persists, seek medical attention.

Ingestion

Get medical advice/attention if you feel unwell. If ingestion of a large amount occurs, call a poison control centre immediately. Never give anything by mouth to an unconscious or convulsing victim. DO NOT INDUCE VOMITING without medical advice.

First-aid Comments

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. If you feel unwell, seek medical advice and show this safety data sheet to the doctor in attendance.

Most Important Symptoms and Effects, Acute and Delayed

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

Specific Hazards Arising from the Product

In a fire or if heated, a pressure increase will occur and the container may burst. Carbon dioxide, carbon monoxide, nitrogen oxides.

Special Protective Equipment and Precautions for Fire-fighters

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak; keep out of low areas. Ensure adequate ventilation. Ventilate closed spaces before entering them.

Environmental Precautions

It is good practice to prevent spilled material and/or runoff from entering waterways, drains and sewers. Prevent further

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leakage or spillage if safe to do so. Do not contaminate water.

Methods and Materials for Containment and Cleaning Up

Small spills: Wipe up with absorbent material (cloth, fleece). Clean surfaces thoroughly to remove residue contamination.

Large spills: Stop the flow of material, if this can be done without risk. Dike the spilled material where it is possible and use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Never return spills in original containers for re-use. Contaminated absorbent material may pose the same hazard as the spilled product.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before, eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for Safe Storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food or drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

Use explosion-proof ventilation equipment. Ensure adequate ventilation, especially in confined areas. Eyewash fountain and emergency showers are recommended.

Individual Protection Measures

Eye/Face Protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles) and a face shield.

Skin Protection

Avoid contact with skin. Wear protective gloves (suitability should be discussed with producers of the gloves) and suitable protective clothing. Normal work clothing (long-sleeved shirt and long pants), closed-toe shoes are recommended.

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Respiratory Protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level, an approved respirator must be worn. Use a positive-pressure air-supplied respirator if there is a potential for an uncontrolled release, exposure limits are not known or any other circumstances where air-purifying respirators may provide adequate protection.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Amber liquid.
Odour	Aromatic
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)

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Initial Boiling Point/Range	Not available
Flash Point	> 93 °C
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	0.90
Solubility	Insoluble in water; Not available (in other liquids)
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic)
Other Information	
Physical State	Liquid
Molecular Formula	Not available
Molecular Weight	Not available
Surface Tension	Not available

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eye contact; skin contact; inhalation; ingestion.

Acute Toxicity

Distillates (petroleum), straight-run middle
LC50 Rat: 1700 mg/m³ 4h

Distillates (petroleum), straight-run middle
LD50 Rat: >5000 mg/kg

Distillates (petroleum), straight-run middle
LD50 Rabbit: >2000 mg/kg

Skin Corrosion/Irritation

Causes skin irritation. Signs/symptoms may include localized redness, swelling and itching.

Serious Eye Damage/Irritation

Irritating to eyes. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Irritating to the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion

May be fatal if swallowed and enters airways. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

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STOT (Specific Target Organ Toxicity) - Repeated Exposure

Prolonged or repeated contact may dry skin and cause irritation. This product contains Polycyclic Aromatic Hydrocarbons. Prolonged contact with these compounds has been associated with the indication of skin and lung tumors, anemia, disorders of the liver, bone marrow and lymphoid tissues.

Carcinogenicity

May cause cancer.

No information was located for: Respiratory and/or Skin Sensitization, Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of according to Federal, Provincial or Municipal guidelines or laws.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS 1988 Classification



Class D2A; D2B

D2A - Very Toxic; D2B - Toxic

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 2** **Flammability - 1** **Instability - 0**

Phone No. (306) 634- 3411

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Additional Information This Health and Safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage, and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent

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personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.