


# Safety Data Sheet

Section 1. Identification	
<b>Product Identifier</b>	OnyxMul P
	<b>Revision: 3</b> <b>Effective Date: 2025/12/02</b>
<b>Initial Supplier Identifier</b>	Blackstone Drilling Fluids Limited Suite 700-215 9 Avenue SW Calgary, AB, T2P 1K3 Tel: 403-262-5955
<b>Recommended Use</b>	Drilling
<b>Restrictions on Use</b>	None
<b>Other means of Identification (Product family, synonyms, etc.)</b>	None
<b>24 Hour Emergency</b>	CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone.  Contact 403.262.5955. Restrictions: business hours Monday – Friday 8:00AM-4:00PM MST. After business hours you will be forwarded to an on-call service which may be unreachable.

Section 2. Hazard Identification	
<b>Classification</b>	Eye Irritation, Category 2A Sensitization - Skin, Category 1 Carcinogenicity, Category 1B Aspiration Hazard, Category 1
<b>Label Elements</b>	
Symbol(s)	
Signal Word	Danger
Hazard Statement(s)	Causes serious eye irritation. May cause an allergic skin reaction. May cause cancer. May be fatal if swallowed and enters airways.
Precautionary Prevention Statement(s)	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist, vapours, or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, and eye protection.
Precautionary Response Statement(s)	If swallowed: Immediately call a poison center or doctor. Do not induce vomiting. If on skin: Wash with plenty of water.

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	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: seek medical attention.
Precautionary Storage Statement(s)	Store locked up.
Precautionary Disposal Statement(s)	Dispose of contents/container in accordance with applicable regional, national, and local laws and regulations.
<b>Other Hazards</b>	N/A

## Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Distillates (petroleum), straight-run middle	Gas oils, blend	64741-44-2	45-70
Tall oil, maleated	N/A	68152-93-2	30-60
Polycyclic Aromatic Hydrocarbons	N/A	130498-29-2	10-20
Tall oil, maleated, zinc salts	N/A	N/A	0.5-1.5

## Section 4. First-Aid Measures

<b>Inhalation</b>	Call a poison center or doctor if you feel unwell.
<b>Skin Contact</b>	Take off all contaminated clothing immediately. Rinse skin with water or shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye Contact</b>	Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Do not induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Excessive inhalation may cause headache, dizziness, confusion, loss of appetite and/or loss of consciousness. Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision. May cause an allergic skin reaction. Causes skin irritation. Signs/symptoms may include localized redness, swelling, and itching. 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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<b>Immediate Medical Attention and Special Treatment</b>	Treat symptomatically. In case of accident or if you feel unwell, seek medical attention immediately.
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<b>Section 5. Fire-Fighting Measures</b>	
<b>Suitable Extinguishing Media</b>	Small Fire: Dry chemical, CO2, water spray or regular foam. Large Fire: Water spray, fog, or regular foam. Move containers from fire area if you can do it without risk.
<b>Unsuitable Extinguishing Media</b>	N/A
<b>Specific Hazards Arising from the Product</b>	Products of combustion: oxides of carbon.
<b>Special protective equipment and precautions for fire-fighters</b>	Fire may produce irritating, corrosive and/or toxic gases. Runoff from fire control or dilution water may cause pollution. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

<b>Section 6. Accidental Release Measures</b>	
<b>Personal Precautions</b>	Do not touch or walk through spilled material.
<b>Protective Equipment</b>	Use personal protection recommended in Section 8.
<b>Emergency Procedures</b>	Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).
<b>Methods and Materials for Containment and Clean-Up</b>	Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

<b>Section 7. Handling and Storage</b>	
<b>Precautions For Safe Handling</b>	Do not swallow. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist, vapours, or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
<b>Conditions For Safe Storage</b>	Store in a well-ventilated place. Keep cool. Store locked up. Store away from incompatible materials. Keep out of the reach of children.
<b>Incompatible Materials</b>	Strong oxidizers.

Section 8. Exposure Controls and Personal Protection	
<b>Control Parameters</b>	<p>Gas oils, blend [CAS No. 64741-44-2]  <b>ACGIH:</b> A2; Exposure by all routes should be carefully controlled to levels as low as possible (2009); For Mineral oil, excluding metal working fluids; Poorly and mildly refined  <b>OSHA:</b> 5 mg/m<sup>3</sup> (TWA); For Oil mist, mineral.</p> <p>Tall oil, maleated [CAS No. 68152-93-2]  <b>ACGIH:</b> No TLV established.  <b>OSHA:</b> No PEL established.</p> <p>Polycyclic Aromatic Hydrocarbons [CAS No. 130498-29-2]  <b>ACGIH:</b> A2; BEI; Exposure by all routes should be carefully controlled to levels as low as possible (1990); For Benz[a]anthracene  <b>OSHA:</b> 0.2 mg/m<sup>3</sup> (TWA); For benzene-soluble fraction.</p> <p>Tall oil, maleated, zinc salts [CAS No. Not available.]  <b>ACGIH:</b> No TLV established.  <b>OSHA:</b> No PEL established.</p>
<b>Appropriate Engineering Controls</b>	Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapour, gas, etc.) below recommended exposure limits. Use explosion-proof electrical, ventilating, and lighting equipment.
<b>Individual Protective Measures</b>	
Eye / Face Protection	Wear chemical safety goggles. Ensure that eyewash stations are close to the workstation location. Use equipment for eye protection that meets the standards referenced by CSA Standard and OSHA regulations for Personal Protective Equipment.
Hand Protection	Wear protective gloves. Consult manufacturer specifications for further information.
Skin Protection	Wear protective clothing. Flame resistant clothing that meets the NFPA 2112 and CAN/CGSB 155.20 standards is recommended in areas where material is stored or handled.
Respiratory Protection:	If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator that meets the requirements of CSA Standard, with organic vapor cartridge, or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.
Hygiene measures	Handle according to established industrial hygiene and safety practices. Consult a competent industrial hygienist to determine hazard potential and/or the PPE manufacturers to ensure adequate protection.

<b>Section 9. Physical and Chemical Properties</b>	
<b>Physical state</b>	Liquid
<b>Color</b>	Dark Brown
<b>Odour</b>	Hydrocarbon
<b>Melting Point / Freezing point</b>	No data
<b>Boiling Point and Boiling Range</b>	>200°C (initial boiling point) and No data for boiling range
<b>Flammability</b>	No data
<b>Lower Flammable or Explosive Limit</b>	No data
<b>Upper Flammable or Explosive Limit</b>	No data
<b>Flash point</b>	>93°C
<b>Auto-ignition Temperature</b>	No data
<b>Decomposition Temperature</b>	No data
<b>pH</b>	No data
<b>Kinematic viscosity</b>	No data
<b>Solubility</b>	Insoluble in water.
<b>Partition co-efficient, n-Octanol/Water</b>	No data
<b>Vapour pressure</b>	No data
<b>Relative density</b>	0.915-0.935
<b>Particle Characteristics</b>	No data

<b>Section 10. Stability and Reactivity</b>	
<b>Reactivity</b>	Contact with incompatible materials. Sources of ignition. Exposure to heat.
<b>Chemical Stability</b>	Stable under normal storage conditions.
<b>Possibility of Hazardous Reactions</b>	None known
<b>Conditions to Avoid</b>	Contact with incompatible materials. Sources of ignition. Exposure to heat.
<b>Incompatible Materials</b>	Oxidizers
<b>Hazardous Decomposition Products</b>	N/A

<b>Section 11. Toxicological Information</b>	
<b>Likely Routes of Exposure &amp; symptoms related to physical, chemical, and toxicological characteristics including delayed and immediate effects.</b>	
Inhalation	May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose

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	and throat pain. Excessive inhalation may cause headache, dizziness, confusion, loss of appetite and/or loss of consciousness.
Ingestion	May be fatal if swallowed and enters airways. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.
Skin	May cause an allergic skin reaction. Causes skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
Eyes	Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
<b>Chronic effects from short term exposure</b>	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 induction of skin and lung tumours, anaemia, disorders of the liver, bone marrow and lymphoid tissues.
<b>Chronic effects from long term exposure</b>	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 induction of skin and lung tumours, anaemia, disorders of the liver, bone marrow and lymphoid tissues.
<b>Acute Toxicity Estimates (ATE)</b>	
Chemical name	N/A
LD50 Oral	N/A
LD50 Dermal	N/A
LC50 Inhalation	N/A

<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity</b>	No data
<b>Persistence and Degradability</b>	No data
<b>Bioaccumulative Potential</b>	No data
<b>Mobility in Soil</b>	No data
<b>Other adverse effects</b>	No data

<b>Section 13. Disposal considerations</b>	
<b>Disposal Considerations</b>	Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

<b>Section 14. Transport Information</b>	
Not regulated under international TDG regulations.	

<b>UN Number</b>	N/A
<b>UN Proper Shipping Name</b>	N/A
<b>Transport Hazard Class(es)</b>	N/A
<b>Packaging Group</b>	N/A
<b>Environmental Hazards</b>	N/A
<b>Special Precaution</b>	N/A

<b>Section 15. Regulatory Information</b>	
<b>Safety, health, and environmental regulations specific to product</b>	<p><b>US (TSCA)</b>            The components of this product follow the chemical notification requirements of TSCA.</p> <p><b>US Federal Regulations</b>            This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.</p> <p><b>Canada (DSL)</b>            The components of this product follow the chemical notification requirements of the NSN Regulations under CEPA, 1999.</p>

<b>Section 16. Other Information</b>	
<b>Prepared by:</b>	Blackstone Drilling Fluids Ltd. Technical Department
<b>Date Prepared:</b>	2025/12/02
<b>Date of Latest Revision:</b>	2025/12/02
<b>Revision Notes:</b>	Updated formatting, address, and emergency contact info in Section 1. All sections reviewed and revised in accordance with current WHMIS standard requirements.

**Disclaimer:**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Blackstone Drilling Fluids Ltd. disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided.