


Safety Data Sheet

Section 1. Identification	
Product Identifier	OnyxMul S
	Revision: 2 Effective Date: 2018/12/18
Initial Supplier Identifier	Blackstone Drilling Fluids Limited 500-215 9 Avenue SW Calgary, AB, T2P 1K3 Tel: 403-262-5955
Recommended Use	Secondary emulsifier
Restrictions on Use	No data
Other means of Identification (Product family, synonyms, etc.)	Emulsifiers
24 Hour Emergency	CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone.

Section 2. Hazard Identification	
Classification	Eye Irritation, Category 2A Sensitization - Skin, Category 2 Carcinogenicity, Category 1B Aspiration Hazard, Category 1
Label Elements	
Symbol(s)	
Signal Word	Danger
Hazard Statement(s)	Causes skin irritation. Causes serious eye damage. 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. Wash exposed skin thoroughly after handling. Wear protective gloves, clothing, and eye protection.
Precautionary Response Statement(s)	If swallowed: immediately call a poison center or doctor. Rinse mouth. Do not induce vomiting. If on skin: wash with plenty of water. If skin irritation occurs: seek medical attention. Take off contaminated clothing and wash it before reuse. If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. If eye irritation persists: seek medical attention. If exposed or concerned: call a doctor.
Precautionary Storage Statement(s)	Store locked up.

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Precautionary Disposal Statement(s)	Dispose of contents and containers in accordance with local, provincial and/or federal requirements.
Other Hazards	N/A

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Gas oils (petroleum), straight-run	N/A	64741-43-1	50-60
Polycyclic Aromatic Hydrocarbons	N/A	130498-29-2	5-10
Ethylene glycol monobutyl ether	N/A	111-76-2	1-5
(EGMBE)(Butyl cellusolve) 111-76-2 1 - 5% Butyl carbitol	N/A	112-34-5 1	1-5

Section 4. First-Aid Measures	
Inhalation	Move to fresh air. Apply oxygen or artificial respiration if required. Seek immediate medical attention.
Skin Contact	Remove contaminated clothing and footwear. Thoroughly wash affected area with soap and water. If irritation develops, seek medical attention.
Eye Contact	Immediately flush with gently flowing warm water for minimum 15 minutes or until irritation ceases. If irritation persists, seek medical attention.
Ingestion	Do not induce vomiting or give liquids unless directed to do so by medical personnel. If vomiting occurs, keep head below hips to reduce risk of aspiration of vomitus into lungs. If immediate medical attention is not available contact poison control center.
Most Important Symptoms and Effects Both Acute and Delayed	May cause skin and eye irritation. Aspiration during swallowing or vomiting may cause harm. Repeated contact may cause cancer.
Immediate Medical Attention and Special Treatment	If swallowed, do not induce vomiting. Seek medical attention immediately.

Section 5. Fire-Fighting Measures	
Suitable Extinguishing Media	Dry chemical, CO2, water spray or regular foam.
Unsuitable Extinguishing Media	Do not use direct water stream: May spread fire.
Specific Hazards Arising from the Product	Although not classed as flammable, or combustible, this product will burn. Product vapours are heavier than air and

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	may travel considerable distances to a source of ignition and flash back. Vapours may spread along the ground and enter sewers, basements, and other confined spaces. Product floats on water and can create a fire hazard along path of runoff. Product sensitivity to neither mechanical impact nor static charge has been determined.
Special protective equipment and precautions for fire-fighters	Full protective equipment and self-contained breathing apparatus required for firefighting personnel. Remove containers from fire area, or cool with water spray, if possible.

Section 6. Accidental Release Measures

Personal Precautions	Avoid all bodily contact with spilled material. Stop leak if possible to do so without risk.
Protective Equipment	Use personal protection recommended in Section 8.
Emergency Procedures	Evacuate area and eliminate ignition sources. Enter area only if wearing appropriate safety equipment (chemical resistant clothing, boots, gloves, etc).
Methods and Materials for Containment and Clean-Up	Small spills: soak up with absorbent material and dispose in approved containers. Large spills: dike to contain spill. Collect spilled material by vacuum. Recover uncontaminated material for repackaging. Collect contaminated material and absorbents in approved container for disposal. Flush spill area with water. Collect flush water in an approved container for disposal. Do not allow material to enter storm sewers or waterways.

Section 7. Handling and Storage

Precautions For Safe Handling	Avoid ingestion. Avoid skin and eye contact. Practice reasonable caution and personal cleanliness. Wash thoroughly after handling. Clean contaminated clothing and footwear before reuse. Avoid breathing mists and vapours. Handle only in area free of ignition sources. Ground containers when transferring material.
Conditions For Safe Storage	Store in a cool area separate from incompatible materials and ignition sources. Store unused material in original container. Keep container tightly closed when not in use. Empty containers, which have not been cleaned and purged, contain residual hazardous material, and should be handled and stored as if full.
Incompatible Materials	Strong oxidizers.

Section 8. Exposure Controls and Personal Protection

Control Parameters	COMPONENT:	EXPOSURE LIMIT
	Gas oils (petroleum), straight-run	Not available
	Polycyclic Aromatic Hydrocarbons	OSHA TWA = 0.2 mg/m ³
	Ethylene glycol monobutyl ether	20 ppm
	Butyl carbitol	Not established

Appropriate Engineering Controls	Local exhaust ventilation, process enclosure or other engineering controls as required to keep vapour concentration below TLV's.
Individual Protective Measures	
Eye / Face Protection	Chemical goggles recommended.
Hand Protection	Viton gloves recommended.
Skin Protection	Suggest the use of a chemical apron and/or chemical resistant clothing.
Respiratory Protection:	In absence of proper ventilation, recommend approved respirator with organic vapour/mist cartridges.
Hygiene measures	Ensure eyewash station and emergency shower are available.

Section 9. Physical and Chemical Properties	
Physical state	Liquid
Color	Brown
Odour	No data
Melting Point / Freezing point	No data
Boiling Point and Boiling Range	No data
Flammability	Must be heated before ignition.
Lower Flammable or Explosive Limit	No data
Upper Flammable or Explosive Limit	No data
Flash point	>93.3°C
Auto-ignition Temperature	No data
Decomposition Temperature	No data
pH	No data
Kinematic viscosity	No data
Solubility	Insoluble in water.
Partition co-efficient, n-Octanol/Water	No data
Vapour pressure	No data
Relative vapour density	0.93
Particle Characteristics	No data

Section 10. Stability and Reactivity	
Reactivity	No data
Chemical Stability	Stable under normal storage conditions.
Possibility of Hazardous Reactions	Polymerization will not occur.
Conditions to Avoid	Heat, sparks or open flames.
Incompatible Materials	Strong oxidizers

Hazardous Decomposition Products	N/A
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Section 11. Toxicological Information

Likely Routes of Exposure & symptoms related to physical, chemical, and toxicological characteristics including delayed and immediate effects.

Inhalation	May cause irritation of the respiratory tract. Aspiration into lungs may occur during swallowing or vomiting, causing lung damage or even death due to chemical pneumonia.
Ingestion	May cause gastrointestinal irritation. May be fatal if swallowed and enters airways.
Skin	May cause mild to moderate skin irritation including redness and swelling. May cause more severe response under clothing, gloves, etc.
Eyes	Severe irritant: May cause redness, inflammation, and watering upon contact. High vapour concentrations may cause irritation.
Chronic effects from short term exposure	Repeated or prolonged contact may cause dermatitis. Prolonged skin contact with petroleum products is associated with skin cancer. Aspiration into lungs may occur during swallowing or vomiting, causing lung damage or even death due to chemical pneumonia.
Chronic effects from long term exposure	Repeated or prolonged contact may cause dermatitis. Prolonged skin contact with petroleum products is associated with skin cancer. Prolonged excessive exposure may cause adverse effects including central nervous system depression.

Acute Toxicity Estimates (ATE)

Chemical name	N/A
LD50 Oral	N/A
LD50 Dermal	N/A
LC50 Inhalation	N/A

Section 12. Ecological Information

Ecotoxicity	No data
Persistence and Degradability	No data
Bioaccumulative Potential	No data
Mobility in Soil	No data
Other adverse effects	No data

Section 13. Disposal considerations	
Disposal Considerations	Dispose/incinerate in accordance with federal, state, and local regulations. Do not dump into sewer drains, watercourses or on the soil. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Empty containers, which have not been cleaned and purged, contain residual hazardous material and must be disposed of, or recycled, according to local regulations.

Section 14. Transport Information	
Not regulated under international TDG regulations.	
UN Number	N/A
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A
Special Precaution	N/A

Section 15. Regulatory Information	
Safety, health, and environmental regulations specific to product	All ingredients are listed on the DSL. All ingredients are listed or exempt from listing on the TSCA.

Section 16. Other Information	
Prepared by:	Blackstone Drilling Fluids Ltd. Technical Department
Date Prepared:	2018/12/18
Date of Latest Revision:	2024/04/23
Revision Notes:	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.

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