


Safety Data Sheet

Section 1. Identification	
Product Identifier	OnyxOMD
	Revision: 2 Effective Date: 2023/04/28
Initial Supplier Identifier	Blackstone Drilling Fluids Limited 500-215 9 Avenue SW Calgary, AB, T2P 1K3 Tel: 403-262-5955
Recommended Use	Drilling fluid additive
Restrictions on Use	None
Other means of Identification (Product family, synonyms, etc.)	N/A
24 Hour Emergency	CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone.

Section 2. Hazard Identification	
Classification	Eye Irritation, Category 1 Sensitization - Skin, Category 1
Label Elements	
Symbol(s)	
Signal Word	Danger
Hazard Statement(s)	Causes severe skin burns and eye damage. Causes serious eye damage.
Precautionary Prevention Statement(s)	Do not breathe mist or vapour. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Response Statement(s)	If swallowed: rinse mouth. Do not induce vomiting. If on skin (or hair): take off all contaminated clothing immediately. Rinse skin with 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. Immediately call a poison control center or seek medical attention. Wash contaminated clothing before reuse.
Precautionary Storage Statement(s)	Store locked up.
Precautionary Disposal Statement(s)	Dispose of contents and containers in accordance with local, provincial and/or federal requirements.
Other Hazards	N/A

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Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Benzenesulfonic Acid, C10-14-alkyl Derivs., Sodium Salts	N/A	69669-44-9	10-30

Section 4. First-Aid Measures	
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water. Call poison control centre or seek medical attention immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call poison control centre or seek medical attention immediately.
Ingestion	Call poison control centre or seek medical attention immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most Important Symptoms and Effects Both Acute and Delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Immediate Medical Attention and Special Treatment	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

Section 5. Fire-Fighting Measures	
Suitable Extinguishing Media	Dry chemical, CO2, water spray or regular foam.
Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from the Product	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6. Accidental Release Measures	
Personal Precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.
Protective Equipment	For personal protection, see section 8 of the SDS.
Emergency Procedures	Local authorities should be advised if significant spillages cannot be contained.
Methods and Materials for Containment and Clean-Up	The product is immiscible with water and will spread on the water surface. Should not be released into the environment. Large Spills: stop the flow of material if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Section 7. Handling and Storage	
Precautions For Safe Handling	Do not breathe mist or vapour. Do not get in eyes, on skin, or on clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions For Safe Storage	Store locked up. Store in original tightly closed container. Store away from incompatible materials.
Incompatible Materials	Bases. Reducing agents.

Section 8. Exposure Controls and Personal Protection	
Control Parameters	No exposure limits noted for ingredient(s).
Appropriate Engineering Controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities, emergency showers, or other equipment appropriate for the level of exposure must be in close proximity when handling this product.
Individual Protective Measures	
Eye / Face Protection	Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled.
Hand Protection	Wear appropriate chemical resistant gloves.
Skin Protection	Use of an impervious apron is recommended. Use of impervious boots is recommended. Where contact is likely, wear chemical-resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

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Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge and full facepiece.
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9. Physical and Chemical Properties

Physical state	Liquid
Color	Amber
Odour	Faint
Melting Point / Freezing point	No data
Boiling Point and Boiling Range	No data
Flammability	No data
Lower Flammable or Explosive Limit	No data
Upper Flammable or Explosive Limit	No data
Flash point	> 93.0°C (> 199.4 °F) Pensky-Martens Closed Cup
Auto-ignition Temperature	No data
Decomposition Temperature	No data
pH	1.5
Kinematic viscosity	No data
Solubility	Insoluble in water.
Partition co-efficient, n-Octanol/Water	No data
Vapour pressure	No data
Relative vapour density	1
Particle Characteristics	No data

Section 10. Stability and Reactivity

Reactivity	Reacts violently with strong alkaline substances. This product may react with reducing agents.
Chemical Stability	Material is stable under normal conditions.
Possibility of Hazardous Reactions	Hazardous polymerization does not occur.
Conditions to Avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials. Do not mix with other chemicals.
Incompatible Materials	Bases. Reducing agents.
Hazardous Decomposition Products	N/A

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 to the respiratory system.
Ingestion	Causes digestive tract burns.
Skin	Causes severe skin burns.
Eyes	Causes serious eye damage.
Chronic effects from short term exposure	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Chronic effects from long term exposure	Same symptoms related from short term exposure.
Acute Toxicity Estimates (ATE)	
Chemical name	Benzenesulfonic Acid, C10-14-alkyl Derivs.
LD50 Oral	500 mg/kg
LD50 Dermal	N/A
LC50 Inhalation	N/A

Section 12. Ecological Information	
Ecotoxicity	Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.
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	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations. The waste code should be assigned in discussion between the user, the producer, and the waste disposal company. Empty containers or liners may retain some product residues. This material and its container must be

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disposed of in a safe manner (see disposal instructions). Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport Information	
UN Number	UN3265
UN Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Alkylbenzene Sulphonic Acid)
Transport Hazard Class(es)	8
Packaging Group	II
Environmental Hazards	N/A
Special Precaution	Read safety instructions, SDS, and emergency procedures before handling.

Section 15. Regulatory Information	
Safety, health, and environmental regulations specific to product	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR. This product is listed on the DSL and TSCA Inventory list.

Section 16. Other Information	
Prepared by:	Blackstone Drilling Fluids Ltd. Technical Department
Date Prepared:	2023/04/28
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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