


# Safety Data Sheet

Section 1. Identification	
<b>Product Identifier</b>	OnyxTone Plus
	<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 fluid viscosifier
<b>Restrictions on Use</b>	None
<b>Other means of Identification (Product family, synonyms, etc.)</b>	Organophilic clay
<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>	Carcinogenicity - Category 1
<b>Label Elements</b>	
Symbol(s)	
Signal Word	Danger
Hazard Statement(s)	May cause cancer. May cause damage to organs through prolonged or repeated exposure.
Precautionary Prevention Statement(s)	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Response Statement(s)	If exposed or concerned, seek medical attention.
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.
<b>Other Hazards</b>	May form combustible dust concentrations in air.

### Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Confidential Organo Clay	N/A	Trade secret	50-100
Silica, quartz	N/A	14808-60-7	<4
1,6 Hexanediol	N/A	629-11-8	2-12

### Section 4. First-Aid Measures

<b>Inhalation</b>	Remove to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If symptoms persist, seek medical attention.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
<b>Eye Contact</b>	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water while holding the eyelid(s) open. If eye irritation persists, seek medical attention.
<b>Ingestion</b>	If swallowed, seek medical advice immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	Listed above.
<b>Immediate Medical Attention and Special Treatment</b>	Target organs – lungs.

### Section 5. Fire-Fighting Measures

<b>Suitable Extinguishing Media</b>	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable Extinguishing Media</b>	N/A
<b>Specific Hazards Arising from the Product</b>	Not self-igniting. Excess dust dispersed in the air represents an explosion hazard in the presence of electrical sparks and static charges.
<b>Special protective equipment and precautions for fire-fighters</b>	Avoid high dust concentrations and ensure all equipment is properly grounded to prevent static discharges. Firefighters should wear a full-body encapsulating chemical protective suit with positive-pressure self-contained breathing apparatus (SCBA).

Section 6. Accidental Release Measures	
<b>Personal Precautions</b>	Keep people away from and upwind of spill/leak. Use grounded, explosion-proof equipment.
<b>Protective Equipment</b>	Use the personal protective equipment recommended in Section 8 of this SDS.
<b>Emergency Procedures</b>	Evacuate personnel to safe area.
<b>Methods and Materials for Containment and Clean-Up</b>	Use appropriate safety equipment. Sweep up and shovel into suitable containers for disposal. Stop or reduce leak if safe to do so. Local authorities should be advised if significant spillages cannot be contained.
Section 7. Handling and Storage	
<b>Precautions For Safe Handling</b>	Take precautionary measures against static discharges. Wear personal protective equipment to avoid direct contact with this chemical. Avoid any contact with eyes, skin, and clothing. Avoid breathing any dust from this material. Wash hands after handling and before eating. Handle in accordance with good industrial hygiene and safety practice. It is good practice to avoid breathing product, avoid skin and eye contact, and wash hands after handling.
<b>Conditions For Safe Storage</b>	Keep containers tightly closed in a cool, well-ventilated place. Keep product and empty containers away from heat and sources of ignition.
<b>Incompatible Materials</b>	Oxidizing agents.
Section 8. Exposure Controls and Personal Protection	
<b>Control Parameters</b>	Silica/Quartz ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. 0.025 mg/m <sup>3</sup> (respirable fraction) 3 mg/m <sup>3</sup> (respirable particles) 10 mg/m <sup>3</sup> (inhalable particles) OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. 0.1 mg/m <sup>3</sup> respirable fraction OSHA = US Occupational Safety and Health Administration. TWA = Time-Weighted Average. 15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction).
<b>Appropriate Engineering Controls</b>	Do not allow product to accumulate in the air in work or storage areas, or in confined spaces. Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Control static electricity discharges which include bonding of equipment to ground.
<b>Individual Protective Measures</b>	
<b>Eye / Face Protection</b>	Wear chemical safety goggles.
<b>Hand Protection</b>	Neoprene gloves are recommended.

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Skin Protection	Wear chemical protective clothing (gloves, aprons and boots) as necessary to prevent contact.
Respiratory Protection	Wear a NIOSH approved air-purifying respirator with an appropriate cartridge.
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

<b>Physical state</b>	Powder
<b>Color</b>	Off White
<b>Odour</b>	None
<b>Melting Point / Freezing point</b>	No data
<b>Boiling Point and Boiling Range</b>	No data
<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>	No data
<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>	Not soluble in water.
<b>Partition co-efficient, n-Octanol/Water</b>	No data
<b>Vapour pressure</b>	No data
<b>Relative density</b>	1.7
<b>Particle Characteristics</b>	No data

## Section 10. Stability and Reactivity

<b>Reactivity</b>	Stable
<b>Chemical Stability</b>	Normally stable.
<b>Possibility of Hazardous Reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to Avoid</b>	Heat, flames, sparks.
<b>Incompatible Materials</b>	Oxidizing agents.
<b>Hazardous Decomposition Products</b>	N/A

## Section 11. Toxicological Information

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<b>Likely Routes of Exposure &amp; symptoms related to physical, chemical, and toxicological characteristics including delayed and immediate effects.</b>	
Inhalation:	Harmful. May cause irritation of the respiratory tract.
Ingestion:	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Skin:	Not expected to cause irritation.
Eyes:	May cause slight eye irritation. Signs and symptoms include burning, tearing, redness and swelling.
<b>Chronic effects from short term exposure</b>	Harmful. May cause irritation of the respiratory tract. May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
<b>Chronic effects from long term exposure</b>	As with any nuisance dust, long-term exposure to concentrations above recommended guidelines may overload the lung clearance mechanisms and cause adverse lung effects and shortness of breath. Long-term exposure to products containing crystalline silica may cause silicosis. Repeated and/or prolonged exposures may cause lung damage (silicosis).
<b>Acute Toxicity Estimates (ATE)</b>	
Chemical name	Silica, quartz
LD50 Oral	500 mg/kg
LD50 Dermal	No data
LC50 Inhalation	No data

<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity</b>	LC50/96hr/48hr/24hr (freshwater fish): 460-1000 mg/L EC50/48hr (daphnia magna): 500 mg/L EC50/72hr (scenedesmus subspicatus): 2200 mg/L
<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>	Containers should be disposed of in accordance with government guidelines. Dispose of in accordance with federal, provincial and local government regulations. Containers should not be re-used.

<b>Section 14. Transport Information</b>	
This produce is not regulated under Canadian TDG regulations.	
<b>UN Number</b>	No data

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<b>UN Proper Shipping Name</b>	No data
<b>Transport Hazard Class(es)</b>	No data
<b>Packaging Group</b>	No data
<b>Environmental Hazards</b>	No data
<b>Special Precaution</b>	No data

## Section 15. Regulatory Information

<b>Safety, health, and environmental regulations specific to product</b>	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 the information required by the Controlled Products Regulations. All ingredients are listed on the DSL/NDSL.
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## Section 16. Other Information

<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.