


Safety Data Sheet

Section 1. Identification	
Product Identifier	OnyxTone Plus
	Revision: 2 Effective Date: 2020/08/12
Initial Supplier Identifier	Blackstone Drilling Fluids Limited 500-215 9 Avenue SW Calgary, AB, T2P 1K3 Tel: 403-262-5955
Recommended Use	Drilling fluid viscosifier
Restrictions on Use	None
Other means of Identification (Product family, synonyms, etc.)	Organophilic clay
24 Hour Emergency	CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone.

Section 2. Hazard Identification	
Classification	Carcinogenicity - Category 1
Label Elements	
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.
Other Hazards	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	
Inhalation	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.
Skin Contact	Wash off immediately with soap and plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
Eye Contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water while holding the eyelid(s) open. If eye irritation persists, seek medical attention.
Ingestion	If swallowed, seek medical advice immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Most Important Symptoms and Effects Both Acute and Delayed	Listed above.
Immediate Medical Attention and Special Treatment	Target organs – lungs.

Section 5. Fire-Fighting Measures	
Suitable Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	N/A
Specific Hazards Arising from the Product	Not self-igniting. Excess dust dispersed in the air represents an explosion hazard in the presence of electrical sparks and static charges.
Special protective equipment and precautions for fire-fighters	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	
Personal Precautions	Keep people away from and upwind of spill/leak. Use grounded, explosion-proof equipment.
Protective Equipment	Use the personal protective equipment recommended in Section 8 of this SDS.
Emergency Procedures	Evacuate personnel to safe area.
Methods and Materials for Containment and Clean-Up	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	
Precautions For Safe Handling	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.
Conditions For Safe Storage	Keep containers tightly closed in a cool, well-ventilated place. Keep product and empty containers away from heat and sources of ignition.
Incompatible Materials	Oxidizing agents.

Section 8. Exposure Controls and Personal Protection	
Control Parameters	Silica/Quartz ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. 0.025 mg/m ³ (respirable fraction) 3 mg/m ³ (respirable particles) 10 mg/m ³ (inhalable particles) OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. 0.1 mg/m ³ respirable fraction OSHA = US Occupational Safety and Health Administration. TWA = Time-Weighted Average. 15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction).
Appropriate Engineering Controls	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.
Individual Protective Measures	
Eye / Face Protection	Wear chemical safety goggles.
Hand Protection	Neoprene gloves are recommended.
Skin Protection	Wear chemical protective clothing (gloves, aprons and boots) as necessary to prevent contact.

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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

Physical state	Powder
Color	Off White
Odour	None
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	No data
Auto-ignition Temperature	No data
Decomposition Temperature	No data
pH	No data
Kinematic viscosity	No data
Solubility	Not soluble in water.
Partition co-efficient, n-Octanol/Water	No data
Vapour pressure	No data
Relative vapour density	No data
Particle Characteristics	No data

Section 10. Stability and Reactivity

Reactivity	Stable
Chemical Stability	Normally stable.
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Heat, flames, sparks.
Incompatible Materials	Oxidizing 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:	Harmful. May cause irritation of the respiratory tract.

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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.
Chronic effects from short term exposure	Harmful. May cause irritation of the respiratory tract. May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Chronic effects from long term exposure	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).
Acute Toxicity Estimates (ATE)	
Chemical name	Silica, quartz
LD50 Oral	500 mg/kg
LD50 Dermal	No data
LC50 Inhalation	No data

Section 12. Ecological Information

Ecotoxicity	LC50/96hr/48hr/24hr (freshwater fish): 460-1000 mg/L EC50/48hr (daphnia magna): 500 mg/L EC50/72hr (scenedesmus subspicatus): 2200 mg/L
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	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.
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Section 14. Transport Information

This produce is not regulated under Canadian TDG regulations.	
UN Number	No data
UN Proper Shipping Name	No data
Transport Hazard Class(es)	No data

Packaging Group	No data
Environmental Hazards	No data
Special Precaution	No data

Section 15. Regulatory Information

Safety, health, and environmental regulations specific to product	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

Prepared by:	Blackstone Drilling Fluids Ltd. Technical Department
Date Prepared:	2020/08/12
Date of Latest Revision:	2024/04/29
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:

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