


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

Section 2. Hazard Identification	
<b>Classification</b>	Carcinogenicity - Category 1A
<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. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. 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>	No data

<b>Section 3. Composition / Information on Ingredients</b>			
<b>Chemical Name</b>	<b>Common Name or Synonyms</b>	<b>CAS NO. and Other Unique Identifiers</b>	<b>% by weight</b>
Asphalt, Oxidized	N/A	64742-93-4	80
Hydrated aluminium silicate	N/A	1332-58-7	20
Silica, Crystalline (Quartz)	N/A	14808-60-7	0.4

<b>Section 4. First-Aid Measures</b>	
<b>Inhalation</b>	Move to fresh air. Seek medical attention if symptoms develop or persist.
<b>Skin Contact</b>	Wash off with soap and water. Seek medical attention if symptoms develop or persist.
<b>Eye Contact</b>	Rinse with water. Seek medical attention if symptoms develop or persist.
<b>Ingestion</b>	Rinse mouth. Seek medical attention if symptoms develop or persist.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	Prolonged exposure may cause chronic effects.
<b>Immediate Medical Attention and Special Treatment</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

<b>Section 5. Fire-Fighting Measures</b>	
<b>Suitable Extinguishing Media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable Extinguishing Media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific Hazards Arising from the Product</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for fire-fighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use water spray to cool unopened containers. Use standard firefighting procedures and consider the hazards of other involved materials.

<b>Section 6. Accidental Release Measures</b>	
<b>Personal Precautions</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
<b>Protective Equipment</b>	Wear appropriate protective equipment and clothing during clean-up. See section 8 for PPE recommendations.

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<b>Emergency Procedures</b>	N/A
<b>Methods and Materials for Containment and Clean-Up</b>	Stop the flow of material if this is without risk. Following product recovery, flush area with water. Put material in suitable, covered, labeled containers. For waste disposal, see section 13.

<b>Section 7. Handling and Storage</b>	
<b>Precautions For Safe Handling</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid prolonged exposure. When using, do not eat, drink, or smoke. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.
<b>Conditions For Safe Storage</b>	Store locked up. Store in tightly closed container. Store away from incompatible materials.
<b>Incompatible Materials</b>	Strong oxidizing agents.

## Section 8. Exposure Controls and Personal Protection

Control Parameters	US. ACGIH Threshold Limit Values			
	Components	Type	Value	Form
	Hydrated aluminum silicate	TWA	2 mg/m3	Respirable fraction.
	(CAS 1332-58-7)			
	US. ACGIH Threshold Limit Values			
	Impurities	Type	Value	Form
	SILICA, CRYSTALLINE (QUARTZ) (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)			
	Components	Type	Value	Form
	Hydrated aluminum silicate (CAS 1332-58-7)	TWA	2 mg/m3	Respirable.
	Impurities	Type	Value	Form
	SILICA, CRYSTALLINE (QUARTZ) (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable particles.
	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)			
	Components	Type	Value	Form
	Hydrated aluminum silicate (CAS 1332-58-7)	TWA	2 mg/m3	Respirable.
	Impurities	Type	Value	Form
	SILICA, CRYSTALLINE (QUARTZ) (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)			
	Components	Type	Value	Form
	Hydrated aluminum silicate (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
	Impurities	Type	Value	Form
	SILICA, CRYSTALLINE (QUARTZ) (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)			
	Components	Type	Value	Form
	Hydrated aluminum silicate (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
	Impurities	Type	Value	Form
	SILICA, CRYSTALLINE	TWA	0.1 mg/m3	Respirable fraction.
	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety) Components			
	Type	Value	Form	
	Hydrated aluminum silicate (CAS 1332-58-7)	TWA	5 mg/m3	Respirable dust.
	Impurities	Type	Value	Form
	SILICA, CRYSTALLINE (QUARTZ) (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable dust.
	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)			
	Components	Type	Value	Form
	Hydrated aluminum silicate (CAS 1332-58-7)	15 minute	4 mg/m3	Respirable fraction.
		8 hour	2 mg/m3	Respirable fraction.
	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)			
	Impurities	Type	Value	Form
	SILICA, CRYSTALLINE (QUARTZ) (CAS 14808-60-7)	8 hour	0.05 mg/m3	Respirable fraction.

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<b>Appropriate Engineering Controls</b>	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.
<b>Individual Protective Measures</b>	
Eye / Face Protection	If contact is likely, safety glasses with side shields are recommended.
Hand Protection	Wear appropriate chemical resistant gloves.
Skin Protection	Use of an impervious apron is recommended. Wear appropriate thermal protective clothing, when necessary.
Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Hygiene measures	Observe any medical surveillance requirements. 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.

<b>Section 9. Physical and Chemical Properties</b>	
<b>Physical state</b>	Solid
<b>Color</b>	No data
<b>Odour</b>	No data
<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 vapour density</b>	1.80g/cm <sup>3</sup>
<b>Particle Characteristics</b>	No data

<b>Section 10. Stability and Reactivity</b>	
<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use.
<b>Chemical Stability</b>	Material is stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	None known
<b>Conditions to Avoid</b>	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. Avoid contact with incompatible materials.
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	None known

<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	Prolonged inhalation may be harmful.
Ingestion	Expected to be a low ingestion hazard.
Skin	No adverse effects due to skin contact are expected.
Eyes	Direct contact with eyes may cause temporary irritation.
<b>Chronic effects from short term exposure</b>	Listed above through routes of exposure.
<b>Chronic effects from long term exposure</b>	Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.
<b>Acute Toxicity Estimates (ATE)</b>	
Chemical name	No data
LD50 Oral	No data
LD50 Dermal	No data
LC50 Inhalation	No data

<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity</b>	Non-hazardous, however, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<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

Section 13. Disposal considerations	
<b>Disposal Considerations</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

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

Section 16. Other Information	
<b>Prepared by:</b>	Blackstone Drilling Fluids Ltd. Technical Department
<b>Date Prepared:</b>	2018/12/18
<b>Date of Latest Revision:</b>	2024/04/29
<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.

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