


# Safety Data Sheet

Section 1. Identification	
<b>Product Identifier</b>	OnyxTorq
	<b>Revision: 3</b> <b>Effective Date: 2025/12/03</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 additive
<b>Restrictions on Use</b>	No data
<b>Other means of Identification (Product family, synonyms, etc.)</b>	None
<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 1A
<b>Label Elements</b>	
Symbol(s)	
Signal Word	Danger
Hazard Statement(s)	May cause cancer by inhalation.
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. In case of inadequate ventilation wear respiratory 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/or container in accordance with local, provincial, and federal regulations.
<b>Other Hazards</b>	None

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## Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Quartz; crystalline silica	N/A	14808-60-7	0.0 – 1.0

## Section 4. First-Aid Measures

<b>Inhalation</b>	Move to area free from dust. If breathing difficulties continue, seek medical attention. Inhalation may aggravate existing respiratory illness.
<b>Skin Contact</b>	If irritation occurs, before breaks and when shift ends wash with soap and water. If irritation develops and persists, seek medical attention.
<b>Eye Contact</b>	Flush with gently flowing warm water until particles are removed and irritation ceases. If irritation persists, seek medical attention.
<b>Ingestion</b>	No first aid required for ingestion of small quantities. If large amount is ingested seek medical attention.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	May cause eye and respiratory irritation. Long-term exposure to respirable crystalline silica can cause lung disease, including silicosis and lung cancer.
<b>Immediate Medical Attention and Special Treatment</b>	Treat symptomatically.

## Section 5. Fire-Fighting Measures

<b>Suitable Extinguishing Media</b>	Carbon dioxide, dry chemical, foam, or water spray.
<b>Unsuitable Extinguishing Media</b>	None
<b>Specific Hazards Arising from the Product</b>	Contains ingredients which will burn intensely under fire conditions.
<b>Special protective equipment and precautions for fire-fighters</b>	Self-contained breathing apparatus required for fire-fighting personnel. Remove from fire area, if possible, to do so safely.

## Section 6. Accidental Release Measures

<b>Personal Precautions</b>	Avoid creating dust clouds. Avoid breathing dust; wear an approved respirator. Remove and thoroughly clean contaminated clothing before wearing.
<b>Protective Equipment</b>	Use appropriate safety equipment.
<b>Emergency Procedures</b>	N/A

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<b>Methods and Materials for Containment and Clean-Up</b>	Vacuum up, if possible, to avoid generating airborne dust. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal. Do not flush with water; becomes slippery when wet.
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<b>Section 7. Handling and Storage</b>	
<b>Precautions For Safe Handling</b>	Avoid creating dust. Avoid breathing dust; wear an approved respirator. Practice reasonable caution and personal cleanliness. Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Launder contaminated clothing before reuse. Empty packages contain residual hazardous material and should be handled as if full.
<b>Conditions For Safe Storage</b>	Store in cool, dry area.
<b>Incompatible Materials</b>	Strong acids. Strong oxidizers.

<b>Section 8. Exposure Controls and Personal Protection</b>	
<b>Control Parameters</b>	Silica; Crystalline quartz ACGIH TWA = 0.025 mg/m <sup>3</sup>
<b>Appropriate Engineering Controls</b>	Maintain adequate engineering controls and/or ventilation to keep hazardous ingredient(s) below statutory limits.
<b>Individual Protective Measures</b>	
Eye / Face Protection	Safety glasses with side shields recommended.
Hand Protection	Personal preference.
Skin Protection	Wear appropriate PPE.
Respiratory Protection	NIOSH approved dust masks or respirators for silica bearing dust. Respiratory protection selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected protective device.
Hygiene measures	Ensure eyewash station and emergency shower are available.

<b>Section 9. Physical and Chemical Properties</b>	
<b>Physical state</b>	Solid (powder)
<b>Color</b>	White, gray, black.
<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>	No data
<b>Particle Characteristics</b>	No data

<b>Section 10. Stability and Reactivity</b>	
<b>Reactivity</b>	No known dangerous reactions under normal conditions of use.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	No data
<b>Conditions to Avoid</b>	Contains calcium carbonate which reacts with acids to liberate CO <sub>2</sub> .
<b>Incompatible Materials</b>	Strong acids. Strong oxidizers.
<b>Hazardous Decomposition Products</b>	No data

<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	Dust may cause irritation of the upper respiratory tract. This product contains crystalline silica. Breathing silica containing dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Chronic inhalation may cause silicosis, a progressive, disabling and sometimes fatal lung disease. Chronic inhalation exposure to crystalline silica quartz has been observed to cause lymph node effects, kidney effects and auto-immune disease.
Ingestion	Low oral toxicity. No effects expected.
Skin	No effects expected from acute contact. Prolonged or repeated contact may cause drying resulting in dermatitis.
Eyes	May cause mechanical irritation.
<b>Chronic effects from short term exposure</b>	Dust may cause irritation of the upper respiratory tract. This product contains crystalline silica. Breathing silica containing dust may not cause noticeable injury or illness even though permanent lung damage may be occurring.

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<b>Chronic effects from long term exposure</b>	Prolonged inhalation of respirable crystalline silica may cause lung disease, silicosis, lung cancer and other 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>	No data
<b>Persistence and Degradability</b>	No data
<b>Bioaccumulative Potential</b>	Not expected to bioaccumulate.
<b>Mobility in Soil</b>	Essentially insoluble in water and thus presents a low mobility in most soils.
<b>Other adverse effects</b>	No data

<b>Section 13. Disposal considerations</b>	
<b>Disposal Considerations</b>	Dispose of in accordance with federal, provincial, and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. May be disposed of as an inert solid in a sanitary landfill in some locations: Check with local operator. Empty packages should be taken for local recycling, recover or waste disposal. Check with local waste operator.

<b>Section 14. Transport Information</b>	
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

<b>Section 15. Regulatory Information</b>	
<b>Safety, health, and environmental regulations specific to product</b>	All ingredients are listed on the DSL. All components are listed on the TSCA inventory or are exempt.

<b>Section 16. Other Information</b>	
<b>Prepared by:</b>	Blackstone Drilling Fluids Ltd. Technical Department
<b>Date Prepared:</b>	2025/12/03
<b>Date of Latest Revision:</b>	2025/12/03
<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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