


Safety Data Sheet

Section 1. Identification	
Product Identifier	OnyxTorq
	Revision: 2 Effective Date: 2022/02/08
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	No data
Other means of Identification (Product family, synonyms, etc.)	None
24 Hour Emergency	CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone.

Section 2. Hazard Identification	
Classification	Carcinogenicity - Category 1A
Label Elements	
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.
Other Hazards	None

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight

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Quartz; crystalline silica	N/A	14808-60-7	0.0 – 1.0
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Section 4. First-Aid Measures	
Inhalation	Move to area free from dust. If breathing difficulties continue, seek medical attention. Inhalation may aggravate existing respiratory illness.
Skin Contact	If irritation occurs, before breaks and when shift ends wash with soap and water. If irritation develops and persists, seek medical attention.
Eye Contact	Flush with gently flowing warm water until particles are removed and irritation ceases. If irritation persists, seek medical attention.
Ingestion	No first aid required for ingestion of small quantities. If large amount is ingested seek medical attention.
Most Important Symptoms and Effects Both Acute and Delayed	May cause eye and respiratory irritation. Long-term exposure to respirable crystalline silica can cause lung disease, including silicosis and lung cancer.
Immediate Medical Attention and Special Treatment	Treat symptomatically.

Section 5. Fire-Fighting Measures	
Suitable Extinguishing Media	Carbon dioxide, dry chemical, foam, or water spray.
Unsuitable Extinguishing Media	None
Specific Hazards Arising from the Product	Contains ingredients which will burn intensely under fire conditions.
Special protective equipment and precautions for fire-fighters	Self-contained breathing apparatus required for fire-fighting personnel. Remove from fire area, if possible, to do so safely.

Section 6. Accidental Release Measures	
Personal Precautions	Avoid creating dust clouds. Avoid breathing dust; wear an approved respirator. Remove and thoroughly clean contaminated clothing before wearing.
Protective Equipment	Use appropriate safety equipment.
Emergency Procedures	N/A
Methods and Materials for Containment and Clean-Up	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.

Section 7. Handling and Storage	
Precautions For Safe Handling	Avoid creating dust. Avoid breathing dust; wear an approved respirator. Practice reasonable caution and personal cleanliness. Wash hands,

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	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.
Conditions For Safe Storage	Store in cool, dry area.
Incompatible Materials	Strong acids. Strong oxidizers.

Section 8. Exposure Controls and Personal Protection

Control Parameters	Silica; Crystalline quartz ACGIH TWA = 0.025 mg/m ³
Appropriate Engineering Controls	Maintain adequate engineering controls and/or ventilation to keep hazardous ingredient(s) below statutory limits.
Individual Protective Measures	
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.

Section 9. Physical and Chemical Properties

Physical state	Solid (powder)
Color	White, gray, black.
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	No known dangerous reactions under normal conditions of use.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	No data
Conditions to Avoid	Contains calcium carbonate which reacts with acids to liberate CO ₂ .
Incompatible Materials	Strong acids. Strong oxidizers.
Hazardous Decomposition Products	No data

Section 11. Toxicological Information	
Likely Routes of Exposure & symptoms related to physical, chemical, and toxicological characteristics including delayed and immediate effects.	
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.
Chronic effects from short term exposure	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 effects from long term exposure	Prolonged inhalation of respirable crystalline silica may cause lung disease, silicosis, lung cancer and other effects.
Acute Toxicity Estimates (ATE)	
Chemical name	No data
LD50 Oral	No data
LD50 Dermal	No data
LC50 Inhalation	No data

Section 12. Ecological Information	
Ecotoxicity	No data
Persistence and Degradability	No data
Bioaccumulative Potential	Not expected to bioaccumulate.
Mobility in Soil	Essentially insoluble in water and thus presents a low mobility in most soils.
Other adverse effects	No data
Section 13. Disposal considerations	
Disposal Considerations	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.
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	All ingredients are listed on the DSL. All components are listed on the TSCA inventory or are exempt.

Section 16. Other Information	
Prepared by:	Blackstone Drilling Fluids Ltd. Technical Department
Date Prepared:	2022/02/08
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:

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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