


# Safety Data Sheet

Section 1. Identification	
<b>Product Identifier</b>	JetZan
	<b>Revision: 2</b> <b>Effective Date: 2022/01/01</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>	Industrial use
<b>Restrictions on Use</b>	None
<b>Other means of Identification (Product family, synonyms, etc.)</b>	Jetzan Dispersible Grade
<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>	This Product is Hazardous under the OSHA Hazard Communication Standard.
<b>Label Elements</b>	
Symbol(s)	
Signal Word	Warning
Hazard Statement(s)	H317 May cause an allergic skin reaction.
Precautionary Prevention Statement(s)	P261 Avoid breathing dust. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Precautionary Response Statement(s)	P302+P352 If on skin: Wash with plenty of water. P321 Specific treatment (see medical advice on this label). P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
Precautionary Storage Statement(s)	Store locked up
Precautionary Disposal Statement(s)	P501 Dispose of contents/ container in accordance with national regulations.
<b>Other Hazards</b>	This product does not contain any substances classified as PBT or vPvB.

# Safety Data Sheet

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Jetzan	N/A	11138-66-2	99-100
Glyoxal	N/A	107-22-2	<1

Section 4. First-Aid Measures	
<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Skin Contact</b>	Brush off loose particles from skin. Rinse with water.
<b>Eye Contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie, or belt.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Dust may irritate the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. May cause discomfort if swallowed. May cause stomach pain or vomiting. Prolonged contact may cause dryness of the skin. Dust may cause slight irritation.
<b>Immediate Medical Attention and Special Treatment</b>	Treat symptomatically.

Section 5. Fire-Fighting Measures	
<b>Suitable Extinguishing Media</b>	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder, or water fog. Use fire-extinguishing media suitable for the surrounding fire.

# Safety Data Sheet

<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>	None known. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.
<b>Special protective equipment and precautions for fire-fighters</b>	Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

## Section 6. Accidental Release Measures

<b>Personal Precautions</b>	No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material.
<b>Protective Equipment</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
<b>Emergency Procedures</b>	Evacuate personnel to safe area.
<b>Methods and Materials for Containment and Clean-Up</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Approach the spillage from upwind. Avoid generation and spreading of dust. Small Spillages: Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Large Spillages: Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labeled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## Section 7. Handling and Storage

<b>Precautions For Safe Handling</b>	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink, and animal feeding stuffs. Keep container tightly sealed when not in use. Avoid handling which leads to dust formation. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash
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# Safety Data Sheet

	before reuse. Wash contaminated clothing before reuse. Do not eat, drink, or smoke when using this product. Wash at the end of each work shift and before eating, smoking, and using the toilet. Change work clothing daily before leaving workplace.
<b>Conditions For Safe Storage</b>	Store away from incompatible materials (see Section 10). Store in accordance with local regulations. Keep only in the original container. Keep container tightly closed, in a cool, well-ventilated place. Keep containers upright. Protect containers from damage. Utilize retaining walls to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.
<b>Incompatible Materials</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.

## Section 8. Exposure Controls and Personal Protection

<b>Control Parameters</b>	
Occupational exposure limits: Glyoxal Long-term exposure limit (8-hour TWA): ACGIH 0.1 mg/m <sup>3</sup> inhalable fraction and vapor. A4, DSens ACGIH(American Conference of Governmental Industrial Hygienists) A4 = Not Classifiable as a Human Carcinogen. DSens = Dermal sensitizer	
<b>Appropriate Engineering Controls</b>	Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimize worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimize exposure.
<b>Individual Protective Measures</b>	
Eye / Face Protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with OSHA 1910.133 or most current version. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: tight-fitting safety glasses.
Hand Protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 or most current version and be demonstrated to be impervious to the chemical and resist

# Safety Data Sheet

	degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
Hygiene measures	Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking, and using the toilet. When using do not eat, drink, or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.

<b>Section 9. Physical and Chemical Properties</b>	
<b>Physical state</b>	Powder
<b>Color</b>	Beige
<b>Odour</b>	Mild
<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>	No data
<b>Partition co-efficient, n-Octanol/Water</b>	No data
<b>Vapour pressure</b>	No data
<b>Relative vapour density</b>	No data
<b>Particle Characteristics</b>	No data

<b>Section 10. Stability and Reactivity</b>	
<b>Reactivity</b>	See the other subsections of this section for further details.
<b>Chemical Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
<b>Possibility of Hazardous Reactions</b>	No potentially hazardous reactions known.
<b>Conditions to Avoid</b>	There are no known conditions that are likely to result in a hazardous situation.

# Safety Data Sheet

<b>Incompatible Materials</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
<b>Hazardous Decomposition Products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors. Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

## Section 11. Toxicological Information

<b>Symptoms related to physical, chemical, and toxicological characteristics &amp; likely routes of exposure</b>	
Inhalation:	Dust may irritate the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
Ingestion:	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin:	Prolonged contact may cause dryness of the skin.
Eyes:	Dust may cause slight irritation.
<b>Delayed and immediate effects</b>	See above.
<b>Chronic effects from short term exposure</b>	No data
<b>Chronic effects from long term exposure</b>	No data
<b>Acute Toxicity Estimates (ATE)</b>	
Chemical name	N/A
LD50 Oral	No data
LD50 Dermal	No data
LC50 Inhalation	No data

## Section 12. Ecological Information

<b>Ecotoxicity</b>	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects 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>	<p>The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.</p> <p>Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible.</p>
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## Section 14. Transport Information

Not regulated under international TDG regulations.

<b>UN Number</b>	N/A
<b>UN Proper Shipping Name</b>	N/A
<b>Transport Hazard Class(es)</b>	N/A
<b>Packaging Group</b>	N/A
<b>Environmental Hazards</b>	N/A
<b>Special Precaution</b>	N/A

## Section 15. Regulatory Information

<b>Safety, health, and environmental regulations specific to product</b>	<p><b>US Federal Regulations</b>          SARA Section 302 Extremely Hazardous Substances Tier II          Threshold Planning Quantities</p> <p><b>US State Regulations</b>          California Proposition 65 Carcinogens and Reproductive Toxins          None of the ingredients are listed or exempt.          California Air Toxics "Hot Spots" (A-I)          None of the ingredients are listed.          California Air Toxics "Hot Spots" (A-II)</p>
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None of the ingredients are listed.  
 California Directors List of Hazardous Substances  
 None of the ingredients are listed. Massachusetts "Right To Know" List  
 None of the ingredients are listed.  
 Rhode Island "Right To Know" List  
 None of the ingredients are listed.  
 Minnesota "Right To Know" List  
 None of the ingredients are listed.  
 New Jersey "Right To Know" List  
 None of the ingredients are listed.  
 Pennsylvania "Right To Know" List  
 None of the ingredients are listed.

**Inventories** - EU - EINECS/ELINCS - Present.  
 Canada - DSL/NDSL – DSL – Present.  
 US – TSCA - Present.  
 Australia – AICS - Present.  
 Japan – ENCS - Present.  
 Korea – KECI - Present.  
 China – IECSC - Present.  
 Philippines – PICCS - Present.  
 New Zealand – NZIOC - Present.  
 Taiwan – TCSI - Present.

Section 16. Other Information	
<b>Prepared by:</b>	Blackstone Drilling Fluids Ltd. Technical Department
<b>Date Prepared:</b>	2022/01/01
<b>Date of Latest Revision:</b>	2024/04/17
<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.