


Safety Data Sheet

Section 1. Identification	
Product Identifier	JetZan
	Revision: 3 Effective Date: 2025/12/01
Initial Supplier Identifier	Blackstone Drilling Fluids Limited Suite 700-215 9 Avenue SW Calgary, AB, T2P 1K3 Tel: 403-262-5955
Recommended Use	Industrial use
Restrictions on Use	None
Other means of Identification (Product family, synonyms, etc.)	Jetzan Dispersible Grade
24 Hour Emergency	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	
Classification	This Product is Hazardous under the OSHA Hazard Communication Standard.
Label Elements	
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.
Other Hazards	This product does not contain any substances classified as PBT or vPvB.

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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	
Inhalation	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.
Skin Contact	Brush off loose particles from skin. Rinse with water.
Eye Contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.
Ingestion	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.
Most Important Symptoms and Effects Both Acute and Delayed	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.
Immediate Medical Attention and Special Treatment	Treat symptomatically.

Section 5. Fire-Fighting Measures	
Suitable Extinguishing Media	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.

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Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from the Product	None known. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.
Special protective equipment and precautions for fire-fighters	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

Personal Precautions	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.
Protective Equipment	Wear protective clothing as described in Section 8 of this safety data sheet.
Emergency Procedures	Evacuate personnel to safe area.
Methods and Materials for Containment and Clean-Up	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

Precautions For Safe Handling	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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	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.
Conditions For Safe Storage	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.
Incompatible Materials	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

Control Parameters

Occupational exposure limits: Glyoxal
 Long-term exposure limit (8-hour TWA): ACGIH 0.1 mg/m³ inhalable fraction and vapor.
 A4, DSens
 ACGIH(American Conference of Governmental Industrial Hygienists)
 A4 = Not Classifiable as a Human Carcinogen.
 DSens = Dermal sensitizer

Appropriate Engineering Controls

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.

Individual Protective Measures

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

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	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.

Section 9. Physical and Chemical Properties	
Physical state	Powder
Color	Beige
Odour	Mild
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	6-7
Kinematic viscosity	No data
Solubility	No data
Partition co-efficient, n-Octanol/Water	No data
Vapour pressure	No data
Relative density	1.5-1.6
Particle Characteristics	No data

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

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Incompatible Materials	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous Decomposition Products	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 ₂). Carbon monoxide (CO).

Section 11. Toxicological Information

Symptoms related to physical, chemical, and toxicological characteristics & likely routes of exposure	
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.
Delayed and immediate effects	See above.
Chronic effects from short term exposure	No data
Chronic effects from long term exposure	No data
Acute Toxicity Estimates (ATE)	
Chemical name	N/A
LD50 Oral	No data
LD50 Dermal	No data
LC50 Inhalation	No data

Section 12. Ecological Information

Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
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	<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.

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

Section 15. Regulatory Information

Safety, health, and environmental regulations specific to product	<p>US Federal Regulations SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities</p> <p>US State Regulations 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	
Prepared by:	Blackstone Drilling Fluids Ltd. Technical Department
Date Prepared:	2025/12/01
Date of Latest Revision:	2025/12/01
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.

Blackstone Drilling Fluids Ltd. disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided.