

Safety Data Sheet

Section 1. Identification		
Product Identifier	JetPac (All Grades)	Revision: 2 Effective Date: 2018/11/09
Initial Supplier Identifier	Blackstone Drilling Fluids Limited 500-215 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.)	Emulsifier	
24 Hour Emergency	CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone.	

Section 2. Hazard Identification	
Classification	This product is not considered hazardous.
Label Elements	
Symbol(s)	Not classified
Signal Word	Not classified
Hazard Statement(s)	Not classified
Precautionary Prevention Statement(s)	Not classified
Precautionary Response Statement(s)	Not classified
Precautionary Storage Statement(s)	Not classified
Precautionary Disposal Statement(s)	Not classified
Other Hazards	This substance is not classified as PBT or vPvB according to current EU criteria.

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Polyanionic Cellulose	N//A	9004-32-4	60-100

Section 4. First-Aid Measures	
Inhalation	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight

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	clothing such as collar, tie, or belt. Get medical attention if any discomfort continues.
Skin Contact	No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.
Eye Contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.
Ingestion	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.
Most Important Symptoms and Effects Both Acute and Delayed	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. A single inhalation exposure may cause the following adverse effects: Temporary irritation. May cause discomfort if swallowed. Prolonged contact may cause dryness of the skin. May be slightly irritating to eyes.
Immediate Medical Attention and Special Treatment	Treat symptomatically. No special treatment required.

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.
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
Special protective equipment and precautions for fire-fighters	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. 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.

Section 6. Accidental Release Measures	
Personal Precautions	No specific recommendations.
Protective Equipment	For personal protection recommendations, see Section 8
Emergency Procedures	Evacuate personnel to safe area.
Methods and Materials for Containment and Clean-Up	Reuse or recycle products wherever possible. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated

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area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

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. Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.
Conditions For Safe Storage	Store away from incompatible materials (see Section 10). No specific recommendations.
Incompatible Materials	None

Section 8. Exposure Controls and Personal Protection	
Control Parameters	No data
Appropriate Engineering Controls	No specific ventilation requirements.
Individual Protective Measures	
Eye / Face Protection	No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand Protection	No specific hand protection recommended. Large Spillages: Wear protective gloves.
Respiratory protection	No specific recommendations. Provide adequate ventilation. Large Spillages: if ventilation is inadequate, suitable respiratory protection must be worn.

Section 9. Physical and Chemical Properties	
Physical state	Powder
Color	Beige
Odour	Odorless
Melting Point / Freezing point	300°C
Boiling Point and Boiling Range	No data
Flammability	No data
Lower Flammable or Explosive Limit	165 g/m ³
Upper Flammable or Explosive Limit	No data
Flash point	No data
Auto-ignition Temperature	~ 370°C
Decomposition Temperature	No data
pH	6.5 - 8.5 2%
Kinematic viscosity	No data

Solubility	No data
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	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.
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.

Section 11. Toxicological Information	
Likely Routes of Exposure	
Inhalation	May cause the following adverse effects: Temporary irritation.
Ingestion	May cause discomfort if swallowed.
Skin	Prolonged contact may cause dryness of the skin.
Eyes	May be slightly irritating to eyes.
Symptoms related to physical, chemical, and toxicological characteristics	Based on available data the classification criteria are not met.
Delayed and immediate effects	A single inhalation exposure may cause the following adverse effects: temporary irritation.
Chronic effects from short term exposure	Based on available data the classification criteria are not met.
Chronic effects from long term exposure	Based on available data the classification criteria are not met.
Acute Toxicity Estimates (ATE)	
Chemical name	Based on available data the classification criteria are not met.
LD50 Oral	Based on available data the classification criteria are not met.

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LD50 Dermal	Based on available data the classification criteria are not met.
LC50 Inhalation	Based on available data the classification criteria are not met.

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	The degradability of the product is not known. The product is slowly degradable.
Bioaccumulative Potential	No data
Mobility in Soil	No data
Other adverse effects	None known

Section 13. Disposal considerations

Disposal Considerations	Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.
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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 - None of the ingredients are listed.</p> <p>CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA) - None of the ingredients are listed.</p> <p>SARA Extremely Hazardous Substances EPCRA Reportable Quantities - None of the ingredients are listed.</p> <p>SARA 313 Emission Reporting - None of the ingredients are listed.</p> <p>CAA Accidental Release Prevention - None of the ingredients are listed.</p>
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US State Regulations - California Proposition 65 Carcinogens and Reproductive Toxins - None of the ingredients are listed or exempt.
 New Jersey "Right To Know" List - Not listed.
 Pennsylvania "Right To Know" List -Not listed.

Inventories - EU - EINECS/ELINCS - Present.
 Canada - DSL/NDSL - DSL
 US – TSCA - Present.
 US - TSCA 12(b) Export Notification - None of the ingredients are listed or exempt.

Section 16. Other Information	
Prepared by:	Blackstone Drilling Fluids Ltd. Technical Department
Date Prepared:	2018/12/18
Date of Latest Revision:	2024/04/15
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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