

# Safety Data Sheet

Section 1. Identification	
<b>Product Identifier</b>	JetStar
	<b>Revision: 3</b> <b>Effective Date: 2025/12/01</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>	Fluid loss Additive
<b>Restrictions on Use</b>	None
<b>Other means of Identification (Product family, synonyms, etc.)</b>	Modified starch
<b>24 Hour Emergency</b>	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>	Non-hazardous
<b>Label Elements</b>	
Symbol(s)	N/A
Signal Word	N/A
Hazard Statement(s)	The substance does not meet the criteria for classification.
Precautionary Prevention Statement(s)	Observe good industrial hygiene practices.
Precautionary Response Statement(s)	Wash hands after handling.
Precautionary Storage Statement(s)	Store away from incompatible materials.
Precautionary Disposal Statement(s)	Dispose of waste and residues in accordance with local authority requirements.
<b>Other Hazards</b>	N/A

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
SODIUM CARBOXYMETHYL STARCH	N/A	9063-38-1	100
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.			

<b>Section 4. First-Aid Measures</b>	
<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin Contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye Contact</b>	Do Not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	Dusts may irritate the respiratory tract, skin and eyes.
<b>Immediate Medical Attention and Special Treatment</b>	Treat symptomatically.

<b>Section 5. Fire-Fighting Measures</b>	
<b>Suitable Extinguishing Media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<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>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for fire-fighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use water spray to cool unopened containers. Use standard firefighting procedures and consider the hazards of other involved materials.

<b>Section 6. Accidental Release Measures</b>	
<b>Personal Precautions</b>	Keep unnecessary personnel away.
<b>Protective Equipment</b>	Wear appropriate protective equipment and clothing during clean-up. For personal protection (see section 8 of the SDS).
<b>Emergency Procedures</b>	Evacuate personnel to safe area.
<b>Methods and Materials for Containment and Clean-Up</b>	Avoid the generation of dusts during clean-up. Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material if there is no hazards or risk. Large Spills: wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water. Small Spills: sweep up or vacuum up spillage and collect in suitable container for disposal. For waste disposal, see section 13 of the SDS.

## **Section 7. Handling and Storage**

# Safety Data Sheet

<b>Precautions For Safe Handling</b>	Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Practice good housekeeping.
<b>Conditions For Safe Storage</b>	Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials.
<b>Incompatible Materials</b>	Strong oxidizing agents.

## Section 8. Exposure Controls and Personal Protection

<b>Control Parameters</b>	No exposure limits noted for ingredient(s).
<b>Appropriate Engineering Controls</b>	If material is ground, cut, or used in any operation which may generate dusts, use exhaust ventilation to keep exposures below the recommended exposure limits.
<b>Individual Protective Measures</b>	
Respiratory protection	Wear respirator with dust filter.
Eye / Face Protection	Wear safety glasses with side shields (or goggles).
Skin / Hand Protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

## Section 9. Physical and Chemical Properties

<b>Physical state</b>	Powder
<b>Color</b>	White to off-white
<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>	6 -7.5
<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 density</b>	1.5-1.6
<b>Particle Characteristics</b>	No data

<b>Section 10. Stability and Reactivity</b>	
<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage, and transport.
<b>Chemical Stability</b>	Material is stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	No dangerous reaction known under conditions of normal use reactions.
<b>Conditions to Avoid</b>	Contact with incompatible materials.
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	No hazardous decomposition products are known.

<b>Section 11. Toxicological Information</b>	
<b>Likely Routes of Exposure</b>	
Inhalation	Dust may irritate respiratory system.
Ingestion	Expected to be a low ingestion hazard.
Skin	Dust or powder may irritate the skin.
Eyes	Dust may irritate the eyes.
<b>Symptoms related to physical, chemical, and toxicological characteristics</b>	Dusts may irritate the respiratory tract, skin and eyes.
<b>Delayed and immediate effects</b>	No data
<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

<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect 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 other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### Section 13. Disposal considerations

<b>Disposal Considerations</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations. The waste code should be assigned in discussion between the user, the producer, and the waste disposal company. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
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### Section 14. Transport Information

Not regulated under Canadian 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

Safety, health, and environmental regulations specific to product	International Inventories		On inventory (yes/no)*
	Country(s) or region	Inventory name	
	Australia	Australian Inventory of Chemical Substances (AICS)	Yes
	Canada	Domestic Substances List (DSL)	Yes
	Canada	Non-Domestic Substances List (NDSL)	No
	China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
	Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
	Europe	European List of Notified Chemical Substances (ELINCS)	No
	Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
	Korea	Existing Chemicals List (ECL)	Yes
	New Zealand	New Zealand Inventory	Yes
	Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
	United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory		Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
 A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

**Continued on Next Page**