

Safety Data Sheet

Section 1. Identification	
Product Identifier	JetStar
	Revision: 2 Effective Date: 2018/12/18
Initial Supplier Identifier	Blackstone Drilling Fluids Limited 500-215 9 Avenue SW Calgary, AB, T2P 1K3 Tel: 403-262-5955
Recommended Use	Fluid loss Additive
Restrictions on Use	None
Other means of Identification (Product family, synonyms, etc.)	Modified starch
24 Hour Emergency	CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone.

Section 2. Hazard Identification	
Classification	Non-hazardous
Label Elements	
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.
Other Hazards	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.			

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

Section 5. Fire-Fighting Measures	
Suitable Extinguishing Media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from the Product	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for fire-fighters	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.

Section 6. Accidental Release Measures	
Personal Precautions	Keep unnecessary personnel away.
Protective Equipment	Wear appropriate protective equipment and clothing during clean-up. For personal protection (see section 8 of the SDS).
Emergency Procedures	Evacuate personnel to safe area.
Methods and Materials for Containment and Clean-Up	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	
Precautions For Safe Handling	Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Practice good housekeeping.

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Conditions For Safe Storage	Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials.
Incompatible Materials	Strong oxidizing agents.

Section 8. Exposure Controls and Personal Protection

Control Parameters	No exposure limits noted for ingredient(s).
Appropriate Engineering Controls	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.
Individual Protective Measures	
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

Physical state	Powder
Color	White to off-white
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	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

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

Section 11. Toxicological Information

Likely Routes of Exposure	
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.
Symptoms related to physical, chemical, and toxicological characteristics	Dusts may irritate the respiratory tract, skin and eyes.
Delayed and immediate effects	No data
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	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.
Persistence and Degradability	No data
Bioaccumulative Potential	No data
Mobility in Soil	No data

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Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
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Section 13. Disposal considerations

Disposal Considerations	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.	
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	International Inventories			
	Country(s) or region	Inventory name	On inventory	(yes/no)*
	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).

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