


Safety Data Sheet

Section 1. Identification	
Product Identifier	JetD
	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	Hole Stabilizer
Restrictions on Use	None
Other means of Identification (Product family, synonyms, etc.)	Drilling fluid additive
24 Hour Emergency	CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone.

Section 2. Hazard Identification	
Classification	Corrosive to metals – Category 1 Skin corrosion/irritation – Category 2 Serious eye damage/Eye irritation – Category 2A
Label Elements	
Symbol(s)	
Signal Word	Warning
Hazard Statement(s)	May be corrosive to metals. Causes skin irritation. Causes serious eye irritation. Keep only in original packaging.
Precautionary Prevention Statement(s)	Wash face, hands, and any exposed skin thoroughly after handling. Wear protective gloves, clothing, eye and face protection.
Precautionary Response Statement(s)	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin: wash with plenty of water. If skin irritation occurs: Get medical advice/attention.
Precautionary Storage Statement(s)	Store in corrosion resistant container.
Precautionary Disposal Statement(s)	N/A
Other Hazards	N/A

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Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Sulfamic acid	N/A	5329-14-6	15-25

Section 4. First-Aid Measures	
Inhalation	Move to area free from dust. If victim is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Obtain immediate medical attention.
Skin Contact	Quickly and gently brush away excess chemical. Thoroughly flush with running water while removing contaminated clothing. If irritation persists or burns appear, obtain medical attention.
Eye Contact	Flush with gently flowing warm water for minimum 15 minutes. Hold eyelids open to ensure thorough flushing. Obtain medical attention when flushing is complete, and no further irritation is felt.
Ingestion	Do not induce vomiting. Rinse mouth and give 1 to 2 glasses of water. Obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.
Most Important Symptoms and Effects Both Acute and Delayed	Causes eye irritation. Prolonged eye contact may result in corneal damage. May cause skin irritation.
Immediate Medical Attention and Special Treatment	Treat symptomatically.

Section 5. Fire-Fighting Measures	
Suitable Extinguishing Media	Use media appropriate for packaging and surrounding materials.
Unsuitable Extinguishing Media	None known.
Specific Hazards Arising from the Product	Thermal decomposition will result in the generation of irritating and highly toxic gases.
Special protective equipment and precautions for fire-fighters	Self-contained breathing apparatus required for fire-fighting personnel.

Section 6. Accidental Release Measures	
Personal Precautions	Avoid creating dust clouds. Avoid bodily contact with spilled material.
Protective Equipment	Use appropriate safety equipment.
Emergency Procedures	Evacuate personnel to safe area.

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Methods and Materials for Containment and Clean-Up	Collect dry material by shoveling or use vacuum. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Neutralize residue with dilute solution of soda ash. Flush spill area thoroughly with water.
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Section 7. Handling and Storage

Precautions For Safe Handling	This product is corrosive. Wear personal protective equipment. Wash thoroughly after handling. Avoid contact with skin and eyes. Avoid ingestion. Avoid creating dust clouds when handling. Wash clothing before reuse. Thoroughly clean or discard contaminated leather articles.
Conditions For Safe Storage	Store in cool, dry area away from incompatibles. Keep container tightly closed and properly labelled. Aqueous solutions can, if in contact with reactive metal (iron, zinc, aluminum) form hydrogen which may create explosive mixtures. Empty packages contain residual hazardous material and should be handled as if full.
Incompatible Materials	Strong oxidizers, strong reducing agents, and strong bases.

Section 8. Exposure Controls and Personal Protection

Control Parameters	Not available.
Appropriate Engineering Controls	Use only with adequate ventilation. If user operations generate dust use process enclosure, local exhaust ventilation or other engineering controls to keep worker exposure below limits. Ensure ventilation equipment is corrosion resistant and separate from other exhaust ventilation systems.
Individual Protective Measures	
Eye / Face Protection	Wear tight fitting chemical goggles. Do not wear contact lenses.
Skin Protection	Protective clothing as required to prevent contact.
Respiratory Protection	Approved dust masks required for dust levels below TLV. Use a properly fitted particulate filter respirator complying with an approved standard if airborne concentrations exceed TLV or if a risk assessment indicates this is necessary.

Section 9. Physical and Chemical Properties

Physical state	Powder
Color	Off-white
Odour	Odourless
Melting Point / Freezing point	N/A
Boiling Point and Boiling Range	N/A
Flammability	Combustible
Lower Flammable or Explosive Limit	N/A
Upper Flammable or Explosive Limit	N/A
Flash point	N/A

Auto-ignition Temperature	N/A
Decomposition Temperature	N/A
pH	N/A
Kinematic viscosity	N/A
Solubility	Soluble in water
Partition co-efficient, n-Octanol/Water	N/A
Vapour pressure	N/A
Relative vapour density	N/A
Particle Characteristics	N/A

Section 10. Stability and Reactivity

Reactivity	Not reactive under normal conditions of storage.
Chemical Stability	Stable
Possibility of Hazardous Reactions	Not available.
Conditions to Avoid	Avoid contact with incompatible materials.
Incompatible Materials	Strong oxidizers, strong reducing agents, and strong bases.
Hazardous Decomposition Products	May react with metals generating explosive hydrogen gas. May give off ammonia at elevated temperatures.

Section 11. Toxicological Information

Likely Routes of Exposure	
Inhalation	Dust may cause temporary irritation of the nose and throat. The severity of these effects would depend on the airborne concentration and duration of exposure.
Ingestion	May cause burns to the mouth, throat, and oesophagus.
Skin	May cause mild to moderate irritation. Prolonged contact may cause inflammation and blistering.
Eyes	Moderate to severe irritant. Prolonged contact may cause corneal damage and possibly blindness.
Symptoms related to physical, chemical, and toxicological characteristics	See above.
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

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LD50 Oral	(oral, rat) >2000 mg/kg (based on ingredient information).
LD50 Dermal	No data
LC50 Inhalation	No data

Section 12. Ecological Information

Ecotoxicity	No data
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	Dispose of in accordance with federal, provincial, and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Empty containers, which have not been cleaned and purged, contain residual hazardous material, and must be recycled, or disposed of, in accordance with local regulations.
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Section 14. Transport Information

UN Number	UN1759
UN Proper Shipping Name	CORROSIVE SOLID, N.O.S. (Sulfamic acid)
Transport Hazard Class(es)	8
Packaging Group	III
Environmental Hazards	N/A
Special Precaution	None

Section 15. Regulatory Information

Safety, health, and environmental regulations specific to product	All components of this product are listed or exempt on the DSL list. USA - All ingredients are listed or exempt on the TSCA inventory.
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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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