


Safety Data Sheet

Section 1. Identification	
Product Identifier	Jet-AFoam
	Revision: 2 Effective Date: 2022/10/17
Initial Supplier Identifier	Blackstone Drilling Fluids Limited 500-215 9 Avenue SW Calgary, AB, T2P 1K3 Tel: 403-262-5955
Recommended Use	Defoamer
Restrictions on Use	For industrial applications only
Other means of Identification (Product family, synonyms, etc.)	None
24 Hour Emergency	CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone.

Section 2. Hazard Identification	
Classification	Flammable liquid – category 4 Acute toxicity, inhalation Skin corrosion/irritation Serious eye damage/eye irritation Specific target organ toxicity, single exposure Not classified. Category 4 Category 4 Category 2 Category 2A Category 3 respiratory tract irritation
Label Elements	
Symbol(s)	
Signal Word	Warning
Hazard Statement(s)	Combustible liquid. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
Precautionary Prevention Statement(s)	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Keep away from flames and hot surfaces-No smoking. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Response Statement(s)	If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/seek medical attention immediately if you feel

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	unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.
Precautionary Storage Statement(s)	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Precautionary Disposal Statement(s)	Dispose of contents/container in accordance with local/regional/national/international regulations.
Other Hazards	None

Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
2-ethylhexanol	N/A	104-76-7	> 99.5

Section 4. First-Aid Measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a poison center or physician if you feel unwell.
Skin Contact	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs seek medical attention. Wash contaminated clothing before reuse.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Do not induce vomiting. Get medical attention if symptoms occur.
Most Important Symptoms and Effects Both Acute and Delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.
Immediate Medical Attention and Special Treatment	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

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	The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. Thermal decomposition will release oxides of carbon.
Special Protective Equipment Precautions for Fire-Fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. In case of fire and/or explosion

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do not breathe fumes. Move containers from fire area if you can do so without risk.

Section 6. Accidental Release Measures

Personal Precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).
Protective Equipment	Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS.
Emergency Procedures	Avoid inhalation of vapors and spray mists. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental Precautions	Avoid discharge into drains, water courses or onto the ground.
Methods and Materials for Containment and Clean-Up	<p>Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent entry into waterways, sewer, basements, or confined areas.</p> <p>Large Spills: Stop the flow of material if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.</p> <p>Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>

Section 7. Handling and Storage

Precautions For Safe Handling	Keep away from open flames, hot surfaces, and sources of ignition. When using do not smoke. Avoid inhalation of vapors and spray mists. Avoid contact with eyes, skin, and clothing. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions For Safe Storage	Store locked up. Keep away from heat, sparks, and open flame. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).
Incompatible Materials	Strong acids and oxidizing.

Section 8. Exposure Controls and Personal Protection

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Control Parameters	TWA:	STEL:	Ceiling	IDLH *
No exposure limits noted for ingredient(s).				
Appropriate Engineering Controls	Good general ventilation used with local exhaust (typically 10 air changes per hour). Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.			
Individual Protective Measures:				
Eye / Face Protection	Wear safety glasses with side shields.			
Skin Protection	Wear appropriate chemical resistant gloves. Nitrile, butyl rubber or neoprene gloves are recommended. Normal work clothing (long sleeved shirts and long pants) is recommended.			
Respiratory Protection	If product is heated or agitated and ventilation is insufficient, use of respiratory protective equipment may be advisable. A NIOSH-approved organic vapour respirator with P95 prefilters may be appropriate.			
Hand protection	Wear appropriate chemical resistant gloves. Nitrile, butyl rubber or neoprene gloves are recommended.			

Section 9. Physical and Chemical Properties	
Appearance	Clear liquid
Odour	Musty
Odour Threshold	No data
pH	No data
Flash Point	75°C
Boiling Point and Boiling Range	154.6°C
Melting Point / Freezing point	-70°C
Evaporation Rate	No data
Flammability (solid, gas)	No data
Upper Flammability	9.7%
Lower Flammability	0.9%
Upper & Lower Explosive Limit	No data
Vapour Pressure	0.18 hPa estimated
Vapour Density	4.5 (air=1)
Relative Density	0.833
Solubility	No data
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	231°C
Decomposition Temperature	No data
Viscosity	No data

Particle Characteristics	No data
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Section 10. Stability and Reactivity	
Reactivity	Stable
Chemical Stability	Material is stable under normal conditions.
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Avoid heat, sparks, open flames, and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible Materials	Strong acids. Strong oxidizing agents.
Hazardous Decomposition Products	At thermal decomposition temperatures, carbon monoxide and carbon dioxide may form.

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
	2063Mg/kg	> 2000 mg/kg	2.17 mg/l, 4 hours
Likely Routes of Exposure			
Skin:	Causes skin irritation.		
Eyes:	Causes serious eye irritation.		
Inhalation:	Harmful if inhaled.		
Ingestion:	Expected to be a low ingestion hazard.		
Acute Toxicity Estimates (ATE)	Harmful if inhaled.		
STOT (Specific Target Organ Toxicity) – Single Exposure	May cause respiratory irritation.		
Aspiration Toxicity	Non-hazardous		
STOT (Specific Target Organ Toxicity) – Repeated Exposure	Not classified.		
Skin Corrosion / Irritation	Causes skin irritation.		
Serious Eye Damage / Irritation	Causes serious eye irritation.		
Respiratory or Skin Sensitization	Not classified.		
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.		
Reproductive Toxicity	Not classified.		

Germ Cell Mutagenicity	Not classified.
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Section 11. Toxicological Information

Symptoms related to physical, chemical, and toxicological characteristics & likely routes of exposure	
Inhalation:	Harmful if inhaled.
Ingestion:	Expected to be a low ingestion hazard.
Skin:	Causes skin irritation.
Eyes:	Causes serious eye 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	2063 mg/kg
LD50 Dermal	>2000 mg/kg
LC50 Inhalation	2.17 mg/l, 4 hours

Section 12. Ecological Information

Ecotoxicity	Harmful to aquatic life. Components: 2-ethylhexanol (CAS 104-76-7). Fish – LC50 Bluegill (Lepomis macrochirus) test results 10-33 mg/l, 96 hours.
Persistence and Degradability	Readily biodegradable.
Bioaccumulative Potential	No data
Mobility in Soil	No data
Other adverse effects	No data

Section 13. Disposal considerations

Disposal Considerations	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. 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	
UN Number	No data
UN Proper Shipping Name	No data
Transport Hazard Class(es)	No data
Packaging Group	No data
Environmental Hazards	No data
Special Precaution	No data

Section 15. Regulatory Information	
Safety, health, and environmental regulations specific to product:	This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR). This SDS contains all of the information required by the HPR. All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

Section 16. Other Information	
Prepared by:	Blackstone Drilling Fluids Ltd. Technical Department
Date Prepared:	2022/10/17
Date of Latest Revision:	2024/04/05
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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