


Safety Data Sheet

Section 1. Identification	
Product Identifier	Blackstone D2001 Revision: 2 Effective Date: 2025/12/01
Initial Supplier Identifier	Blackstone Drilling Fluids Limited Suite 700-215 9 Avenue SW Calgary, AB, T2P 1K3 Tel: 403-262-5955
Recommended Use	Surfactant
Restrictions on Use	None
Other means of Identification (Product family, synonyms, etc.)	Blend
24 Hour Emergency	CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone. 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	
Classification	This Product is Hazardous under the OSHA Hazard Communication Standard.
Label Elements	
Symbol(s)	 <p>Flammable liquids, Category 4 Skin corrosion/irritation, Category 2 Carcinogenicity, Category 2</p>
Signal Word	Warning
Hazard Statement(s)	Combustible liquid Causes skin irritation. Suspected of causing cancer.
Precautionary Prevention Statement(s)	Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Wear protective gloves, protective clothing and eye protection. Do not breathe dust. Obtain special instructions before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. In case of fire: Use Water fog, Foam, Carbon dioxide (CO2), Dry powder to extinguish. Store in a well-ventilated place. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

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Precautionary Response Statement(s)	IF INHALED: Call a poison center or doctor if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF SKIN IRRITATION OCCURS: Get medical advice/attention. IF EXPOSED OR CONCERNED: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.
Precautionary Storage Statement(s)	N/A
Precautionary Disposal Statement(s)	P501 Dispose of contents/container in accordance with national regulations.
Other Hazards	N/A

Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Naphtha, heavy aromatic	Solvent naphtha(petroleum), heavy aromatic	64742-94-5	10 - 30
Napthalene	-	91-20-3	1 - 5

Section 4. First-Aid Measures

Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Skin Contact	Flush area with water. If irritation persists, seek medical attention. Launder clothing before reuse.
Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Ingestion	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Most Important Symptoms and Effects Both Acute and Delayed	May cause respiratory irritation. May cause eye irritation.
Immediate Medical Attention and Special Treatment	Treat symptomatically.

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media	Water spray. Water fog. Dry powder. Foam. Carbon dioxide.
Unsuitable Extinguishing Media	Do not use a water jet since it may cause the fire to spread.

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Specific Hazards Arising from the Product	Combustible liquid.
Special protective equipment and precautions for fire-fighters	Evacuate area. Fight fire from safe distance and protected locations. Use water spray or fog for cooling exposed containers. Do not attempt to act without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Section 6. Accidental Release Measures

Personal Precautions	Secure area. Evacuate unnecessary personnel.
Protective Equipment	Gloves, coveralls, safety glasses.
Emergency Procedures	Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.
Methods and Materials for Containment and Clean-Up	Notify authorities if product enters sewers or public waters. In case of large spills: Stop leaks if it can be done without personal risk. Dike the spilled material, where this is possible. Collect leaking and spilled liquid in sealable containers as far as possible. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Advise local authorities if considered necessary. Dispose of materials or solid residues at an authorized site.

Section 7. Handling and Storage

Precautions For Safe Handling	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only in well-ventilated areas. Avoid breathing mist/vapours/spray.
Conditions For Safe Storage	Store in a cool, well-ventilated area. Keep containers closed when not in use. Keep away from incompatible materials.
Incompatible Materials	Strong oxidising agents.

Section 8. Exposure Controls and Personal Protection

Control Parameters naphthalene	ACGIH TWA (ppm) 10 ppm (Naphthalene; USA; Time-weight average exposure limit 8 h: TLV- Adopted Value)
Appropriate Engineering Controls	Use only outdoors or in a well-ventilated area. Good general ventilation (typically 10 air changes per hour) should be used. 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

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	limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual Protective Measures	
Eye / Face Protection	Chemical goggles
Hand Protection	Chemical resistant coveralls, gloves
Hygiene measures	N/A

Section 9. Physical and Chemical Properties	
Physical state	Liquid
Color	Amber
Odour	Hydrocarbon (sharp oily smell)
Melting Point / Freezing point	< - 40°C
Boiling Point and Boiling Range	85°C
Flammability	No data
Lower Flammable or Explosive Limit	No data
Upper Flammable or Explosive Limit	No data
Flash point	81°C
Auto-ignition Temperature	No data
Decomposition Temperature	No data
pH	No data
Kinematic viscosity	No data
Solubility	Insoluble in water
Partition co-efficient, n-Octanol/Water	No data
Vapour pressure	No data
Relative vapour density	No data
Relative density	0.89
Particle Characteristics	No data

Section 10. Stability and Reactivity	
Reactivity	Stable under normal conditions of use, storage and transport.
Chemical Stability	Stable
Possibility of Hazardous Reactions	No dangerous reactions known under normal conditions of use.
Conditions to Avoid	Exposure to heat.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	None known under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon monoxide. Carbon dioxide.

Section 11. Toxicological Information	
Symptoms related to physical, chemical, and toxicological characteristics & likely routes of exposure	
Inhalation:	May cause irritation of the respiratory tract.
Ingestion:	May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.
Skin:	May cause irritation.
Eyes:	May cause 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	Naptha, heavy aromatic (64742-94-5)
LD50 Oral	>5000 mg/kg (Rat)
LD50 Dermal	>2000 mg/kg (Rabbit)
LC50 Inhalation	>5 mg/l/4h (Rat)
Section 12. Ecological Information	
Ecotoxicity	No data
Persistence and Degradability	Naptha heavy aromatic (64742-94-5): Not readily biodegradable in water. Naphthalene (91-20-3): Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorbs into the soil. Photolysis in the air.
Bioaccumulative Potential	Naptha heavy aromatic (64742-94-5): Bioaccumulative. Naphthalene (91-20-3): Low potential for bioaccumulation (BCF < 500). BCF Fish 1: 23 - 168 (BCF; 8 weeks; Cyprinus carpio)
Mobility in Soil	Naptha heavy aromatic (64742-94-5): Log Pow – 2.9 – 6.1 Naphthalene (91-20-3): Surface tension - 0.03 N/m (100oC). Log Pow - 3.3 (Experimental value).
Other adverse effects	No data

Section 13. Disposal considerations	
Disposal Considerations	Dispose of contents / container in accordance with local regulations.

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	The components of this product follow the chemical notification requirements of the DSL and TSCA. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulation (HPR). This SDS contains all the information required by the HPR.

Section 16. Other Information	
Prepared by:	Blackstone Drilling Fluids Limited Technical Department
Date Prepared:	2025/12/01
Date of Latest Revision:	2025/12/01
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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