

Section 1. Identification

Product identifier; Ultrablend 4

Product Identity	001
Other means of identification	001

Relevant identified uses of the substance or mixture and uses advised against

See Technical Data Sheet.

Details of the supplier of the safety data sheet

Company Name Blackstone Drilling Fluids Limited
215 9 Ave SW Suite 500,
Calgary, AB T2P 1B7

Emergency
24-hour Emergency **CAN-UTEC** (226-8832), 613-996-6666 or *666 on a cellular
Telephone No. 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.

Customer Service: (403) 262-5955
Blackstone Drilling Fluids
Limited

Section 2. Hazard(s) identification

This SDS is aligned with the Workplace Hazardous Materials Information System (WHMIS) and with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Classification of the substance or mixture

Flammable Liquid, category 2;H225
Acute toxicity(oral), category 3;H301
Acute toxicity(dermal), category 4;H312
Acute toxicity(inhalation), category 3;H331
Skin corrosion/irritation category 1B;H314

Highly Flammable liquid and vapour.
Toxic if swallowed.
Harmful in contact with skin.
Toxic if inhaled.
Causes severe skin burns and eye damage.

Serious eye damage / eye irritation, category 1;H318
Specific target organ toxicity, Single exposure category 1;H370
Aquatic toxicity (acute), category 1;H400

Causes serious eye damage.
Causes damage to organs. Specific Target Organs: (central nervous system, eyes)
Very toxic to aquatic life.

Label elements



Danger

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H331 Toxic if inhaled.
H370 Causes damage to organs.
H400 Very toxic to aquatic life.

[Prevention]

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No Smoking.
P233 Keep container tightly closed.

P235 Keep cool.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating, light, equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P260 Do not breathe dust, fume, mist, vapours or spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, eye protection, face protection.

[Response]

P301+310 IF SWALLOWED: Immediately call a POISON CENTER, doctor or physician.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+311 If exposed or concerned: Call a POISON CENTER, doctor or physician.

P310 Immediately call a POISON CENTER, doctor or physician.

P311 Call a POISON CENTER or doctor, physician.

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P362+364 Take off contaminated clothing and wash it before reuse.

P363 Wash contaminated clothing before reuse.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

P391 Collect spillage.

[Storage]

P403+233 Store in a well ventilated place. Keep container tightly closed.

P403+235 Store in a well ventilated place. Keep cool.

P405 Store locked up.

[Disposal]

P501 Dispose of contents or container in accordance with local and national regulations.

Other hazards

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.

Does NOT contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per the US EPA PFASMASTER combined list of PFAS chemicals.

Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the Hazardous Products Regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Quaternary ammonium compound CAS Number: 68607-28-3 Synonyms: No available information	65 - 85	Acute toxicity(oral), category 4;H302 Skin corrosion/irritation category 1B;H314 Serious eye damage / eye irritation, category 1;H318 Aquatic toxicity (acute), category 1;H400	----
Methanol CAS Number: 67-56-1 Synonyms: METHYL ALCOHOL, methanol (as methanol)	10 - 30	Flammable Liquid, category 2;H225 Acute toxicity(inhalation), category 3;H331 Acute toxicity(oral), category 3;H301 Acute toxicity(dermal), category 3;H311 Specific target organ toxicity, Single exposure category 1;H370 C ≥ 10 % Specific target organ toxicity, Single exposure category 2;H371 3 % ≤ C < 10 %	----

The actual concentration or concentration range is withheld as a trade secret.

*PBT/vPvB - PBT, vPvM or vPvB-substance.

The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Overview No specific symptom data available.

No chronic toxicity or long term toxicity information available. Treat symptomatically. See section 2 for further details.

Inhalation Toxic if inhaled. Causes damage to organs.

Eyes Causes serious eye damage.

Skin Harmful in contact with skin. Causes severe skin burns and eye damage.

Ingestion Toxic if swallowed.

Section 5. Fire-fighting measures

Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.
Unsuitable extinguishing media: Do not use; water jet.

Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.

Keep container tightly closed.

Keep cool.

Ground and bond container and receiving equipment.

Use explosion-proof electrical, ventilating, light, equipment.

Use non-sparking tools.

Take action to prevent static discharges.

Do not breathe dust, fume, mist, vapours or spray.

Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Environmental precautions

Do not allow spills to enter drains or waterways.

Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

Section 7. Handling and storage

Precautions for safe handling

Handle containers carefully to prevent damage and spillage.
See section 2 for further details. - [Prevention]

Conditions for safe storage, including any incompatibilities

Incompatible materials: No available information
See section 2 for further details. - [Storage]

Specific end use(s)

No available information

Section 8. Exposure controls / personal protection

Control parameters

Exposure Limits

CAS No.	Ingredient	Source	Value
67-56-1	Methanol	ACGIH	TWA: 200 ppm STEL: 250 ppm
		Alberta	200 ppm TWA; 262 mg/m ³ TWA 250 ppm STEL; 328 mg/m ³ STEL
		British Columbia	200 ppm TWA 250 ppm STEL
		Manitoba	200 ppm TWA 250 ppm STEL
		New Brunswick	200 ppm TWA; 262 mg/m ³ TWA 250 ppm STEL; 328 mg/m ³ STEL
		Newfoundland and Labrador	200 ppm TWA 250 ppm STEL
		Nova Scotia	200 ppm TWA 250 ppm STEL
		Northwest Territories	200 ppm TWA 250 ppm STEL
		Nunavut	200 ppm TWA 250 ppm STEL
		Ontario	200 ppm TWA 250 ppm STEL
		Prince Edward Island	200 ppm TWA 250 ppm STEL
		Quebec	200 ppm TWA _{AEV} ; 262 mg/m ³ TWA _{AEV} 250 ppm STEV; 328 mg/m ³ STEV
		Saskatchewan	200 ppm TWA 250 ppm STEL
Yukon	200 ppm TWA; 260 mg/m ³ TWA 250 ppm STEL; 310 mg/m ³ STEL		
68607-28-3	Quaternary ammonium compounds	ACGIH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
Yukon	No Established Limit		

Exposure controls

Respiratory If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

Skin Avoid skin contact. Wear PVC or rubber gloves to keep skin contact to a minimum. Refer to the manufacturer's recommendations regarding the suitability of any gloves used.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapour below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Liquid
Color	yellow to brown
Odor	No available information
Odor threshold	No available information
Melting point / freezing point	No available information
Initial boiling point and boiling range	No available information
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No available information Upper Explosive Limit: No available information
Flash Point	22 C
Auto-ignition temperature	No available information
Decomposition temperature	No available information
pH	No available information
Viscosity (cSt)	No available information
Solubility in Water	No Data Available
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapour pressure (Pa)	No available information
Relative Density	0.93-0.99
Vapour Density	No available information
Evaporation rate (Ether = 1)	No available information
VOC Content	No available information
Not Defined	No available information
Explosive properties	No available information

Other information

No other relevant information.

Section 10. Stability and reactivity

Reactivity

Hazardous Polymerization will not occur.

Chemical stability

Stable under normal circumstances.

Possibility of hazardous reactions

No available information

Conditions to avoid

Avoid high temperatures and contact with incompatible material

Incompatible materials

No available information

Hazardous decomposition products

No hazardous decomposition data available.

Section 11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Quaternary ammonium compounds	No data available.	No data available.	No data available.	No data available.	No data available.
Methanol - (67-56-1)	101.10, Rat - Category: 3	301.00, Rabbit - Category: 3	2.10, Rat - Category: 3	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
67-56-1	Methanol	IARC	No
		ACGIH	No Established Limit
68607-28-3	Quaternary ammonium compound	IARC	No
		ACGIH	No Established Limit

Classification	Category	Hazard Description
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Acute toxicity (oral)	3	Toxic if swallowed.
Acute toxicity (dermal)	4	Harmful in contact with skin.
Acute toxicity (inhalation)	3	Toxic if inhaled.
Skin corrosion/irritation	1B	Causes severe skin burns and eye damage.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	1	Causes damage to organs.
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Possible routes of entry:

Inhalation, ingestion, skin contact, and skin absorption.

Symptoms and effects, both acute and delayed:

No specific symptom data available.

No chronic toxicity or long term toxicity information available. Treat symptomatically.

Eyes Causes serious eye damage.

Skin Harmful in contact with skin. Causes severe skin burns and eye damage.

Ingestion Toxic if swallowed.

Section 12. Ecological information

Toxicity

Very toxic to aquatic life.

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Quaternary ammonium compounds - (68607-28-3)	No data available.	No data available.	No data available.
Methanol - (67-56-1)	15,400.00, Lepomis macrochirus	> 10,000.00, Daphnia magna	22,000.00, Pseudokirchneriella subcapitata

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

No available information

Mobility in soil

No available information

Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

Other adverse effects

No available information

Section 13. Disposal considerations

Waste treatment methods

Observe all federal, provincial and local regulations when disposing of this substance.

Section 14. Transport information

Classification Method: Classified as per Part 2, Sections 2.1-2.8 of the Transportation of Dangerous Goods Regulations.

	TDG (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number	UN1230	UN1230	UN1230
UN proper shipping name	Methanol	Methanol	Methanol
Transport hazard class(es)	Class:3 Sub Class:6.1	Class:3 Sub Class:6.1	Class:3 Sub Class:6.1
Packing group	II	II	II

Environmental hazards

IMDG Marine Pollutant: Yes; (Quaternary ammonium compounds, (oxydi-2,1-ethanediy)bis[coco alkyldimethyl, dichlorides)

Special precautions for user

No available information

Section 15. Regulatory information

This product has been classified in accordance with the hazard criteria Hazardous Products Regulations (SOR/2015-17 amended 2022-12-15) and the SDS contains all of the information required by those regulations.

Canadian Domestic Substance List (DSL):

Methanol

Quaternary ammonium compounds, (oxydi-2,1-ethanediyl)bis[coco alkyldimethyl, dichlorides

Canadian Non-Domestic Substance List (NDSL):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Section 16. Other information

Revision Date

22 January, 2026

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H370 Causes damage to organs.

H371 May cause damage to organs.

H400 Very toxic to aquatic life.

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