



SAFETY DATA SHEET

1. Identification

Product Identifier Bore Drill
Recommended Use Not Available
Recommended Restrictions Not Available
Manufacturer/Importer/Supplier/Distributor information

Company Name Velocity Drilling Fluids, LLC
Company Address P.O. Box 1120
 Mandeville, LA 70471
Telephone 985-893-6600
Emergency Phone 855-227-3584
Website www.VelocityDrillingFluids.com

2. Hazards Identification

GHS - Classification Health

Skin corrosion/irritation
hazards
Serious eye damage/eye irritation

Category 2

Category 2

Environmental hazards

Physical Hazards

Label elements



Signal word

WARNING

Hazard statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary statements

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician P331

- Do NOT induce vomiting

Supplementary precautionary statements

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection P302 + P352 -

IF ON SKIN: Wash with plenty of soap and water

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing

P321 - Specific treatment (see supplemental first aid instructions on this label) P332 + P313 - If

skin irritation occurs: Get medical advice/ attention

P337 + P313 - If eye irritation persists: Get medical advice/attention P362 - Take off

contaminated clothing and wash before reuse

P501 - Dispose of contents/ container to an approved waste disposal plant

Unknown acute toxicity 36% of the mixture consists of ingredient(s) of unknown toxicity.

3. Composition/info on Ingredients

Component	CAS.No	Weight % - range
Petroleum distillates, hydrocarbon light	64742-17-9	70 - 99
Alcohols, C ₁₂ -16, iso-C ₁₂ -16, n-alkylated	64742-17-9	-

Comments

The product contains other ingredients which do not contribute to the overall classification.

4. First Aid Measures

First-Aid Measures

Inhalation *If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.*

Ingestion *Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek medical attention if irritation occurs.*

Skin contact *Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention immediately if symptoms occur.*

Eye contact *Remove contact lenses. Promptly wash eyes with lots of water while lifting eye lids.
Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.*

Most important symptoms and effects, both acute and delayed

General advice *The severity of the symptoms described will vary dependant of the concentration and the length of exposure. If adverse symptoms develop, the casualty should be transferred to hospital as soon as possible.*

Main symptoms

Inhalation *Please see Section 11. Toxicological Information for further information.*

Ingestion *Please see Section 11. Toxicological Information for further information.*

Skin contact *Please see Section 11. Toxicological Information for further information.*

Eye contact Please see Section 11. Toxicological Information for further information.

Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5. Fire Fighting Measures

Extinguishing media

Suitable extinguishing media

Use extinguishing media appropriate for surrounding material.

Extinguishing media which shall not be used for safety reasons

None known.

Special hazards arising from the substance or mixture

Unusual fire and explosion hazards

None known.

Hazardous combustion products

Carbon oxides (CO_x), Nitrogen oxides (NO_x).

Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Special Fire-Fighting Procedures

Containers close to fire should be removed immediately or cooled with water.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. See also section 8.

Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

Environmental exposure controls

Avoid release to the environment.

Methods and materials for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. After cleaning, flush away traces with water.

Reference to other sections

See section 13 for more information.

7. Handling and Storage

Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Avoid spills and splashing during use.

Conditions for safe storage, including any incompatibilities

Technical measures/precautions Ensure adequate ventilation. Keep airborne concentrations below exposure limits.

Storage precautions Keep containers tightly closed in a dry, cool and well-ventilated place.

Packaging material Use specially constructed containers only.

8. Exposure Controls/ Personal Protection

Control parameters

Component	ACGIH TLV	OSHA PEL	
Petroleum distillates, hydrotreated light		Not Determined	Not Determined
Alcohols, C11-14-iso, C13-rich, ethoxylated		Not Determined	Not Determined

Exposure controls

All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical hazard present and the risk of exposure to those hazards. The PPE recommendations below are based on an assessment of the chemical hazards associated with this product. Where this product is used in a mixture with other products or fluids, additional hazards may be created and as such further assessment of risk may be required. The risk of exposure and need of respiratory protection will vary from workplace to workplace and should be assessed by the user in each situation.

Engineering measures to reduce exposure

Ensure adequate ventilation.

Personal protective equipment

Eye protection It is good practice to wear goggles when handling any chemical. Tightly fitting safety goggles.

Hand protection Use protective gloves made of; Be aware that liquid may penetrate the gloves. Frequent change is advisable.

Respiratory protection No personal respiratory protective equipment normally required, In case of insufficient ventilation wear suitable respiratory equipment.

Skin and body protection Wear suitable protective clothing. Provide eyewash station.

Hygiene measures Wash hands before eating, drinking or smoking, Remove and wash contaminated clothing before re-use.

9. Physical and Chemical Properties

Information on basic physical and chemical properties Physical state Liquid

Appearance Cloudy

Color White

Odor Faint hydrocarbon

Odor threshold Not applicable

Property Values Remarks

pH 6 - 8

pH @ dilution Melting/freezing point

Boiling point/range 100 °C / 212 °F

Flash point > 93 °C / 200 °F PMCC

Evaporation rate (BuAc =1) No information available Flammability (solid, gas) Not Applicable Flammability Limits in Air

Upper flammability limit No information available Lower flammability limit No information available Vapor pressure No information available

Vapor density No information available

Specific gravity 1.07 - 1.10

Bulk density No information available

Water solubility slightly soluble Solubility in other solvents No information available Autoignition temperature No information available Decomposition temperature No information available Kinematic viscosity No information available

Dynamic viscosity No information available

Log Pow Not determined

Explosive properties Not Applicable

Oxidizing properties None known.

Other information

Pour point -29°C / -20°F

Molecular weight No information available

VOC content(%) None

Density No information available

10. Stability and Reactivity

Reactivity

No specific reactivity hazards associated with this product.

Chemical stability

Stable under normal temperature conditions and recommended use.

Possibility of Hazardous Reactions

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon oxides (CO_x). Nitrogen oxides (NO_x).

11. Toxicology Information

Information on toxicological effects

Acute toxicity

Inhalation May cause irritation of respiratory tract.

Eye contact

Irritating to eyes.

Skin contact Prolonged skin contact may defat the skin and produce dermatitis.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated light	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Alcohols, C11-14-iso, C13-rich, ethoxylated	No data available	No data available	No data available

Component	IARC Group 1 or 2	ACGIH - Carcinogens	OSHA listed carcinogens	NTP
Petroleum distillates, hydrotreated light	No data available	No data available	No data available	No data available
Alcohols, C11-14-iso, C13-rich, ethoxylated	No data available	No data available	No data available	No data available

Sensitization This product does not contain any components suspected to be sensitizing.

Mutagenic effects This substance has no evidence of mutagenic properties.

Carcinogenicity This substance has no evidence of carcinogenic properties.

Reproductive toxicity None known.

Developmental toxicity Not known to cause birth defects or have a deleterious effect on a developing fetus.

Routes of exposure Skin contact. Eye contact.

Routes of entry No route of entry noted.

Specific target organ toxicity (single exposure)

Specific target organ toxicity (repeated exposure)

Not classified Not classified.

Aspiration hazard No hazard from product as supplied.

12. Ecological Information

Toxicity

Toxicity to algae

See component information below.

Toxicity to fish

See component information below.

Toxicity to daphnia and other aquatic invertebrates

See component information below.

Component	Toxicity to fish	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates
Petroleum distillates, hydrotreated light 64742-47-8 (10 - 30)	2.2 mg/L LC ₅₀ (Lepomis macrochirus) = 96 h		
45 mg/L LC ₅₀ (Pimephales promelas) = 96 h			
2.4 mg/L LC ₅₀ (Oncorhynchus mykiss) = 96 h (Den-dronereides heteropoda) = 96 h	No information available	4720 mg/L LC ₅₀	
Alcohols, C ₁₁₋₁₄ -iso, C ₁₃ -rich, ethoxylated 78330-21-9 (1 - 5)	No information available	No information available	No information available

Persistence and degradability

No product level data available.

Bioaccumulative potential

No data available.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT) This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

Other adverse effects.

None known.

13. Disposal Considerations

Waste treatment methods

Disposal Method Disposal should be made in accordance with federal, state and local regulations.

Contaminated packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. Transport Information

UN Number

Not regulated

UN No. (DOT) Not regulated

UN No. (TDG) Not regulated UN/ID No. (ADR/RID/ADN/ADG) Not regulated UN No. (IMDG) Not regulated

UN No. (ICAO) Not regulated

Proper shipping name

Not regulated for transportation by DOT, TDG, IMDG and ICAO/IATA.

Hazard class(es)

DOT Hazard class Not regulated

TDG Hazard class Not regulated ADR/RID/ADN/ADG Hazard class Not regulated IMDG Hazard class Not regulated ICAO Hazard class/division Not regulated

Packing group

DOT Packing group Not regulated

TDG Packing group Not regulated ADR/RID/ADN/ADG Packing group Not regulated IMDG Packing group Not regulated

ICAO Packing group Not regulated

Environmental hazard

No

Special precautions

Not Applicable

15. Regulatory Information

International inventories

USA (TSCA)	Complies
Canada (DSL)	Complies
European Union (EINECS and ELINCS)	Does not Comply

Philippines (PICCS)	Complies
Japan (ENCS)	Complies
China (IECSC)	Complies
Australia (AICS)	Complies
Korean (KECL)	Complies
New Zealand (NZIoC)	Complies

U.S. Federal and State Regulations

SARA 311/312 Hazard Categories

Immediate (acute) health hazard.

Component	SARA 302 / TPOs	SARA 313	CERCLA RQ
Petroleum distillates, hydrotreated light		N/A	N/A
Alcohols, C11-14-iso, C13-rich, ethoxylated		N/A	N/A

State Comments

Proposition 65: This product is not known to contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer

and/or reproductive toxicity at levels that are expected to pose a significant risk under anticipated use conditions.

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

16. Other Information

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Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.