

VDF-EXP-3057

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: VFD-EXP-3057
 SDS Number: C-3057
 Product Code: C-3057
 Revision Date: 4/30/2021
 Product Use: For Industrial Use Only
 Supplier Details: Valence Drilling Fluids,
 LLC PO Box 7174
 Edmond, OK 73083 USA
 Contact:
 Emergency: CHEMTREC:800-424-9300

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

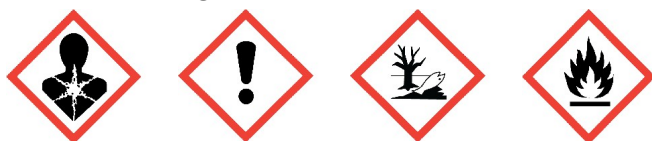
GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Skin corrosion/irritation, 2
 Health, Serious Eye Damage/Eye Irritation, 2 A
 Health, Aspiration hazard, 1
 Physical, Flammable Liquids, 3
 Health, Acute toxicity, 4 Inhalation
 Health, Carcinogenicity, 2
 Health, Specific target organ toxicity - Repeated exposure, 2
 Environmental, Hazards to the aquatic environment - Acute, 2
 Environmental, Hazards to the aquatic environment - Chronic, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H304 - May be fatal if swallowed and enters airways
 H226 - Flammable liquid and vapour
 H332 - Harmful if inhaled
 H351 - Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
 H373 - May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
 H304 - May be fatal if swallowed and enters airways
 H401 - Toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

- P201 - Obtain special instructions before use.
- P102 - Keep out of reach of children.
- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 - Keep container tightly closed.
- P240 - Ground and bond container and receiving equipment.
- P241 - Use explosion-proof [electrical/ventilating/lighting/...] equipment.
- P242 - Use non-sparking tools.
- P243 - Take action to prevent static discharges.
- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 - Wash skin thoroughly after handling.
- 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.
- P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
- P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308 + P313 - IF exposed or concerned: Get medical advice/ attention.
- P331 - Do NOT induce vomiting.
- P332 + P313 - If skin irritation occurs: Get medical advice/attention.
- P362 - Take off contaminated clothing.
- P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol resistant foam to extinguish.
- P391 - Collect spillage.
- P403 + P235 - Store in a well-ventilated place. Keep cool.
- P405 - Store locked up.
- P501 - Dispose of contents/container to an approved waste disposal facility.

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COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
68334-30-5	35-40%	Diesel fuel
34590-94-8	3-8%	Dipropylene glycol methyl ether

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FIRST AID MEASURES

- Inhalation: For inhalation remove to fresh air, if breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.
- Skin Contact: Promptly flush skin with water until all chemical is removed.
In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes and remove contaminated clothing and shoes. Wash exposed skin thoroughly with soap and water, and launder clothing. If itching and redness persist, seek medical attention.
- Eye Contact: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. If itching and redness persist, seek medical attention.
- Ingestion: Do not induce vomiting. Seek immediate medical attention

5**FIRE FIGHTING MEASURES**

Flash Point: $\geq 133^{\circ}\text{F}$
Flash Point Method: PMCC
LEL: NA
UEL: NA
Suitable extinguishing media:
Dry sand, dry chemical, alcohol resistant foam

6**ACCIDENTAL RELEASE MEASURES**

In case of spillage, contain material with dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent and dispose of in accordance with applicable regulations. May require excavation of contaminated soil.

7**HANDLING AND STORAGE**

Handling Precautions: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
Storage Requirements: Keep away from heat, sparks, and flames. Keep container tightly closed in a dry and well-ventilated place.

8**EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering Controls: General ventilation is recommended during normal use. Local Exhaust may be required during certain operations to prevent inhalation of vapors.
Personal Protective Equipment: Chemical splash goggles; Face Shield, Gloves, and Apron. Eye wash station and safety shower should be available.

9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Clear
Physical State: Liquid
Spec Grav./Density: .88
Viscosity: 2,500

10**STABILITY AND REACTIVITY**

Chemical Stability: Stable
Conditions to Avoid: Heat, sparks, and open flames
Materials to Avoid: Strong Oxidizing Agents.
Hazardous Decomposition: Not known.
Hazardous Polymerization: Will not occur.

Acute toxicity

LD50 Oral - Rat - 17,900 mg/kg

(OECD Test Guideline 401)

LD50 Dermal - Rabbit - > 4,300 mg/kg

(OECD Test Guideline 402)

No data available

Skin corrosion/irritation

Skin - Rabbit

Result: Irritating to skin. - 24 h

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation - 24 h

(OECD Test Guideline 405)

12.1 Toxicity

Toxicity to fish	static test LC50 - Oncorhynchus mykiss (rainbow trout) - 21 mg/l - 96 h
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(OECD Test Guideline 203)

Toxicity to algae	Growth inhibition EC50 - Pseudokirchneriella subcapitata (green algae) - 10 mg/l - 72 h
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(OECD Test Guideline 201)

12.2 Persistence and degradability

Biodegradability	aerobic - Exposure time 28 d
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Result: 57.5 % - According to the results of tests of biodegradability this product is not readily biodegradable.

(OECD Test Guideline 301)

All recovered material should be packaged, labeled, transported, disposed or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices.

NA1993, Combustible liquid, n.o.s., Combustible liquid, PGIII, (Diesel Fuel)

Proper Shipping Name:

NA1993, Combustible liquid, N.O.S., (Diesel Fuel), Combustible, PGIII

Not regulated for transport in containers less than 119 gallons.



[%] RQ (CAS#) Substance - Reg Codes**[35-40%] Diesel fuel (68334-30-5) TSCA, TXAIR****[3-8%] Dipropylene glycol methyl ether (34590-94-8) MASS, OSHAWAC, PA, TSCA, TXAIR****Regulatory Code Legend**

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

MASS = MA Massachusetts Hazardous Substances List

OSHAWAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

This product's safety information is provided to assist our customers in assessing compliance with health, safety and environmental regulations. The information contained herein is based on data available to us and is believed to be accurate, although no guarantee or warranty is provided by the company in this respect. Since the use of this product is within the exclusive control of the user, it is the User's obligation to determine the conditions of safe use of this product. Such conditions should comply with all federal regulations concerning the product. All materials in this product are produced in compliance with public law 94-469 (also known as the "toxic substances control act" of 1976).

Revision Date: 4/30/2021