

In Force Thin

1 PRODUCT AND COMPANY IDENTIFICATION

Supplier Details: Valence Drilling Fluids, LLC
 2575 Kelley Pointe Parkway, Suite 120
 Edmond, OK 73013

Phone: 800-424-9300

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, 1
 Environmental, Hazards to the aquatic environment - Acute, 3
 Environmental, Hazards to the aquatic environment - Chronic, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H315 - Causes skin irritation
 H318 - Causes serious eye damage
 H402 - Harmful to aquatic life
 H412 - Harmful to aquatic life with long lasting effects

GHS Precautionary Statements:

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Inhalation: May cause irritation to the respiratory tract.

Skin Contact: May cause irritation.

Eye Contact: Causes serious eye damage

Ingestion: Ingestion of large amounts is unlikely. Ingestion of small amounts is not likely to cause acute toxicity or internal damage.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
0	50-60%	Proprietary
104-76-7	5-10%	2-Ethylhexanol
111-76-2	.05-1.5%	2-Butoxyethanol
112-34-5	.05-1.5%	Diethylene glycol monobutyl ether
68584-23-6	20-40%	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts

4 FIRST AID MEASURES

Inhalation:	If fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Remove person to fresh air. Loosen tight clothing, such as collar, waistband. If not breathing or if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to provide the person mouth to mouth resuscitation. Get medical attention immediately for any breathing difficulty.
Skin Contact:	Immediately wash exposed area with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical attention if symptoms persist.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get medical attention if irritation occurs.
Ingestion:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

5	FIRE FIGHTING MEASURES
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Flash Point: >200°F

Use water spray to cool fire exposed containers. Use carbon dioxide, dry chemical or water spray to extinguish fires. Do not use water jet.

6	ACCIDENTAL RELEASE MEASURES
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Pick up excess with inert absorbant material and place into separate waste container. Dispose of waste material in accordance with all local, state/provincial and national requirements.

7	HANDLING AND STORAGE
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Handling Precautions:	Put on appropriate personal protective equipment. Wash thoroughly after handling. Eating, drinking and smoking should be prohibited in areas where this material is handled or stored. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
Storage Requirements:	Store in a cool, dry, ventilated area. Keep containers closed when not in use. Keep away from extreme heat. Keep away from incompatible materials. Store in accordance with local regulations.

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment: HMIS PP, B | Safety Glasses, Gloves
Wear appropriate protective equipment.

Individual Protection Measures:

Ventilation Requirements: Use only with adequate ventilation.

Respiratory Protection: None required under normal conditions

Skin Protection: Wear long sleeved clothing and rubber or neoprene gloves.

Eye Protection: Wear safety glasses with side shields or chemical safety goggles. Maintain eye wash station in work area.

Other Precautions: As appropriate for work area.

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Brown
Physical State:	Liquid
Odor:	Characteristic

Solubility: Insoluble in water
Spec Grav./Density: 0.92 - 0.96

Flash Point: >200°F

10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions
Conditions to Avoid: Heat, flames and sparks. Avoid temperatures exceeding the flash point.
Materials to Avoid: Strong Oxidizing Agents.
Hazardous Decomposition: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous Polymerization: Hazardous polymerization will not occur.

11 TOXICOLOGICAL INFORMATION

Toxicity Data:

Eye Effects: May be irritating to eyes.
Skin Effects: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis
Inhalation Effects: May cause nose, throat and respiratory irritation.
Chronic Effects: Not Known.
Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA Nota L - meets EU requirements of less than 3% (w/w) DMSO extract for total Polycyclic aromatic compound (PAC) using IP346. Not Classified.
Mutagenicity: Not Known.
Teratogenicity: Not Known.

12 ECOLOGICAL INFORMATION

No data available

13 DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized whenever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14 TRANSPORT INFORMATION

UN3257, Elevated temperature liquid, n.o.s., at or above 100 C and below its flash point (including molten metals, molten salts, etc.), 9
This product is NOT REGULATED when shipped under 100°C.

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Proprietary (0) [50-60%]

2-Ethylhexanol (104-76-7) [5-10%] MASS, PA, TSCA

2-Butoxyethanol (111-76-2) [.05-1.5%] HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

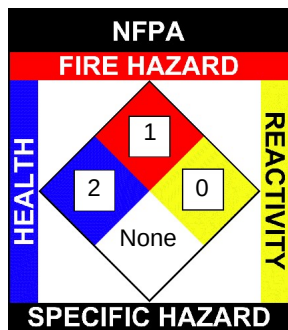
Diethylene glycol monobutyl ether (112-34-5) [.05-1.5%] HAP, TSCA

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts (68584-23-6) [20-40%] TSCA
TSCA 8(b) Inventory: All components are listed or exempted.
This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

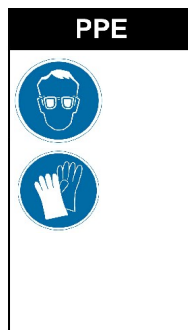
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OTHER INFORMATION

NFPA: Health = 2, Fire = 1, Reactivity = 0, Specific Hazard = None
HMIS III: Health = 2(Chronic), Fire = 1, Physical Hazard =
HMIS PPE: B - Safety Glasses, Gloves



HMIS	
HEALTH	☒ 2
FLAMMABILITY	1
PHYSICAL HAZARD	
PERSONAL PROTECTION	B



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