

EX-3

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, Aspiration hazard, 1
 Health, Carcinogenicity, 2
 Environmental, Hazards to the aquatic environment - Acute, 2
 Environmental, Hazards to the aquatic environment - Chronic, 2
 Physical, Flammable Liquids, 4

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H304 - May be fatal if swallowed and enters airways
 H351 - Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
 H401 - Toxic to aquatic life
 H411 - Toxic to aquatic life with long lasting effects
 H227 - Combustible liquid

GHS Precautionary Statements:

P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P273 - Avoid release to the environment.
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
 P308 - IF exposed or concerned:
 P331 - Do NOT induce vomiting.
 P370 + P380 + P375 [+ P378] - In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. [Use...to extinguish].
 P391 - Collect spillage.
 P403 - Store in a well-ventilated place.
 P501 - Dispose of contents/container to ...
 CGA-MP01 - IF ACCIDENTLY INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention

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

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

Skin Contact: May cause irritation. Remove contaminated clothing and wash before reuse. Wash skin with soap and water.

Eye Contact: May cause irritation. 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:

If person is conscious, immediately rinse mouth and give small amounts of water to drink.. Do not induce vomiting, unless directed by medical personnel. Get immediate medical attention if symptoms occur.

3**COMPOSITION/INFORMATION OF INGREDIENTS**

Chemical Ingredients:		
CAS#	%	Chemical Name:
64742-94-5	10-30%	Solvent Naphtha (Petroleum)
91-20-3	1-5%	Naphthalene
-40-7	65-89%	Proprietary

4**FIRST AID MEASURES****Inhalation:**

Remove person to fresh air. 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****Flash Point:**

Not Determined

LEL:

Not Determined

UEL:

Not Determined

Water fog, carbon dioxide, foam, dry chemical

6**ACCIDENTAL RELEASE MEASURES**

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****Handling Precautions:**

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****Personal Protective Equipment:**

HMIS PP, B | Safety Glasses, Gloves

Individual Protection Measures:

Ventilation Requirements: Non required under normal conditions when in ventilated area.

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**

Appearance:	Dark amber
Physical State:	Liquid
Odor:	Characteristic
Spec Grav./Density:	0.98 - 1.01
Boiling Point:	No data available
Flash Point:	150°F (Closed cup)
pH:	11 - 13

10**STABILITY AND REACTIVITY**

Chemical Stability:	Stable under normal conditions
Conditions to Avoid:	Keep away from heat, sparks and flame.
Materials to Avoid:	Strong Oxidizing Agents, strong acids, strong alkalis.
Hazardous Decomposition:	Carbon oxides.
Hazardous Polymerization:	Hazardous polymerization will not occur.

11**TOXICOLOGICAL INFORMATION****Toxicity data:**

Eye Effects: May cause mild irritation to the eyes.
Skin Effects: May cause mild irritation to the skin.
Inhalation Effects: May cause mild respiratory irritation.
Ingestion Effects: May be fatal if swallowed and enters airways.
Carcinogenicity: Contains known or suspected carcinogens.

Toxicology data for the components**Substances CAS Number LD50 Oral LD50 Dermal LC50 Inhalation**

Heavy aromatic
petroleum naphtha
64742-94-5 >5000 mg/kg-bw (rat) >2000 mg/kg-bw (rabbit) > 4.778 mg/L (rat, 4 h, vapour, saturated)
Naphthalene 91-20-3 490 mg/kg (Rat)
1110 mg/kg (Rat)
1120 mg/kg (Rabbit)
20 g/kg (Rabbit)
340 mg/m³ (Rat) 1 h

Substances CAS Number Skin corrosion/irritation

Heavy aromatic petroleum
naphtha
64742-94-5 Non-irritating to the skin (Rabbit) (similar substances)
Naphthalene 91-20-3 Non-irritating to the skin (Rabbit)

Substances CAS Number Serious eye damage/irritation

Heavy aromatic petroleum
naphtha
64742-94-5 Non-irritating to rabbit's eye (similar substances)
Naphthalene 91-20-3 May cause mechanical irritation to eye. (human) Non-irritating to rabbit's eye

Substances CAS Number Skin Sensitization

Heavy aromatic petroleum
naphtha
64742-94-5 Patch test on human volunteers did not demonstrate sensitization properties Did not cause sensitization on laboratory animals (guinea pig) (similar substances)
Naphthalene 91-20-3 Did not cause sensitization on laboratory animals (guinea pig)

Substances CAS Number Respiratory Sensitization

Heavy aromatic petroleum
naphtha
64742-94-5 No information available
Naphthalene 91-20-3 No information available

Substances CAS Number Mutagenic Effects

Heavy aromatic petroleum
naphtha
64742-94-5 In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects. (similar substances)
Naphthalene 91-20-3 In vitro tests did not show mutagenic effects.

Substances CAS Number Carcinogenic Effects
Heavy aromatic petroleum
naphtha
64742-94-5 Did not show carcinogenic effects in animal experiments (similar substances) Not regarded as carcinogenic.
Naphthalene 91-20-3 Substances which should be regarded as if they are carcinogenic to man

Substances CAS Number Reproductive toxicity
Heavy aromatic petroleum
naphtha
64742-94-5 Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments. (similar substances)
Naphthalene 91-20-3 Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.

Substances CAS Number STOT - single exposure
Heavy aromatic petroleum
naphtha
64742-94-5 May cause headache, dizziness, and other central nervous system effects.
Naphthalene 91-20-3 No data of sufficient quality are available.

Substances CAS Number STOT - repeated exposure
Heavy aromatic petroleum
naphtha
64742-94-5 No significant toxicity observed in animal studies at concentration requiring classification.
Naphthalene 91-20-3 No significant toxicity observed in animal studies at concentration requiring classification.

Substances CAS Number Aspiration hazard
Heavy aromatic petroleum
naphtha
64742-94-5 Aspiration into the lungs may cause chemical pneumonitis including coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.
Naphthalene 91-20-3 No information available

12	ECOLOGICAL INFORMATION
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No data available

13	DISPOSAL CONSIDERATIONS
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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
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UN3082, Environmentally hazardous substances, liquid, n.o.s., 9, PGIII, ((Contains Heavy Aromatic Naphtha, Napthalene))

[%] RQ (CAS#) Substance - Reg Codes

[10-30%] Solvent Naphtha (Petroleum) (64742-94-5) TSCA

[1-5%] RQ(100LBS), Naphthalene (91-20-3) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

[65-89%] Proprietary (-40-7)



WARNING

This product can expose you to chemicals including Naphthalene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Regulatory Code Legend

RQ = Reportable Quantity

TSCA = Toxic Substances Control Act

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

EPCRAWPC = EPCRA Water Priority Chemicals

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

OSHA = OSHA Workplace Air Contaminants

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

PRIPOL = Clean Water Act Priority Pollutants

SARA313 = SARA 313 Title III Toxic Chemicals

TOXICPOL = Clean Water Act Toxic Pollutants

TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)

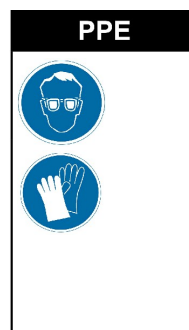
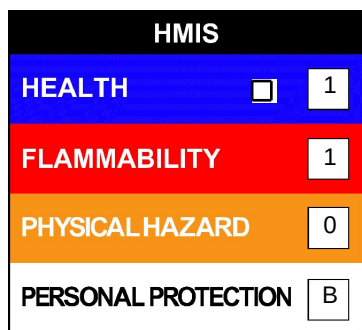
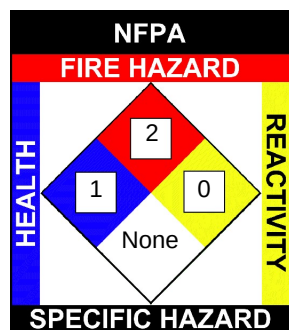
TXAIR = TX Air Contaminants with Health Effects Screening Level

TXHWL = TX Hazardous Waste List

NFPA: Health = 1, Fire = 2, Reactivity = 0, Specific Hazard = None

HMIS III: Health = 1, Fire = 1, Physical Hazard = 0

HMIS PPE: B - Safety Glasses, Gloves



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