



# SAFETY DATA SHEET

P.O. BOX 1603  
EUNICE, LA 70535  
866-457-0064 or 337-457-0064

## DUO-VIS

Version 1.1  
Revision Date: 01/26/2016

### 1. - IDENTIFICATION

#### 1.1 Product Identifier

Product name DUO-VIS

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

Recommended Use Drilling fluid additive.

Uses advised against Consumer use

#### 1.3 Details of the supplier of the safety data sheet

#### 1.4 Details of the supplier of the safety data sheet

Company name Delta Drilling Products & Services, LLC  
Address 154 Eastpark Drive  
Eunice, LA 70535  
Telephone (866) 457-0064 or (337) 457-0064  
E-mail [deltaproducts@bellsouth.net](mailto:deltaproducts@bellsouth.net)

#### 1.5 Emergency telephone number:

FOR TRANSPORT EMERGENCY CALL CHEMTREC (+1) 7035273887, (24 Hour) Australia +61 2801 44558, Asia Pacific +65 3158 1074, China +86 10 5100 3039, Europe +44 (3) 1235 239 670, Middle East and Africa +44 (0) 1235 239 671, New Zealand +64 9929 1483, USA 001 281 561 1600

### 2. HAZARD(S) IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### GHS – Classification

##### Health hazards

Skin sensitization	Category 1
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Environmental hazards Not classified

##### Physical Hazards

Combustible dust
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#### 2.2 Label elements



##### Signal Word

WARNING

### **Hazard statements**

H317 – May cause an allergic skin reaction  
May form combustible dust concentrations in air

### **Precautionary statements**

P280 – Wear eye protection/face protection  
P240 – Ground/bond container and receiving equipment  
P403 + P235 – Store in a well-ventilated place. Keep cool  
P370 + P378 – In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction  
P210 – Keep away from heat/sparks/open flames/hot surfaces. – No smoking  
P233 – Keep container tightly closed

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray  
P272 – Contaminated work clothing should not be allowed out of the workplace  
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water  
P321 – Specific treatment (see supplemental first aid instructions on this label)  
P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention  
P363 – Wash contaminated clothing before reuse  
P501 – Dispose of contents/container to an approved waste disposal plant  
P240 – Ground/bond container and receiving equipment  
P241 – Use explosion-proof electrical/ventilating/lighting/equipment  
P242 – Use only non-sparking tools  
P243 – Take precautionary measures against static discharge  
P280 – Wear protective gloves/protective clothing/eye protection/face protection  
P303 + P361 +P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P403 + P235 – Store in a well-ventilated place. Keep Cool  
P501 – Dispose of contents/container to an approved incineration plant

**Unknown acute toxicity** 99.07% of the mixture consists of ingredients(s) of unknown toxicity.

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.1 Substances**

Not applicable

<b>Chemical Name</b>	<b>CAS number</b>	<b>Percent by weight</b>
C-14 Olefins	Confidential	50 – 60%

**Trade secret information:** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## **4. FIRST-AID MEASURES**

**Ingestion:** Do NOT induce vomiting. Aspiration of material due to vomiting can cause chemical pneumonitis which can be fatal. If vomiting occurs naturally, the casualty should lean forward to reduce the risk of aspiration. Immediately call a POISON CENTER/doctor.

**Inhalation:** Remove exposed person to fresh air if adverse effects are observed.

**Skin Contact:** Wash with soap and water. If skin irritation occurs, get medical attention.

**Eye contact:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.

### **Most important symptoms/effects, acute and delayed**

**Symptoms:** See section 11.

### **Indication of immediate medical attention and special treatment needed**

**Treatment:** Treat symptomatically.

## **5. FIRE-FIGHTING MEASURES**

**General Fire Hazards:** No unusual fire or explosion hazards noted.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** CO2, dry chemical, foam, water spray, water fog.

**Unsuitable extinguishing media:** Do not use water jet as a extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional information.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** No data available

**Special protective equipment for fire-fighters:** Recommend wearing self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment.

**Methods and material for containment and cleaning up:** Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

**Environmental Precautions:** Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so.

**7. HANDLING AND STORAGE**

**Precautions for safe handling** Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment.

**Maximum Handling Temperature:** Not determined.

**Conditions for safe storage, including any incompatibilities** Store away from incompatible materials. See section 10 for incompatible materials.

**Maximum Storage Temperature:** Not determined.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control Parameters:****Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Appropriate engineering controls:** No special requirements under ordinary conditions of use and with adequate ventilation.

**Individual protection measures, such as personal protective equipment**

**General information:** Use personal protective equipment as required.

**Eye/face protection:** If contact is likely, safety glasses with side shields are recommended.

**Skin Protection**

**Hand Protection:** Suitable gloves can be recommended by the glove supplier.

**Other:** No data available.

**Respiratory Protection:** Consult with an industrial hygienist to determine the appropriate respiratory

protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Natural
<b>Odor:</b>	Bland
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Freezing point:</b>	-20 °C
<b>Boiling Point:</b>	240.1 °F (115.6 °C)
<b>Flash Point:</b>	>225.0 °F (107.2 °C) (Test method unavailable)

<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit – upper (%):</b>	No data available.
<b>Flammability limit – lower (%):</b>	No data available.
<b>Explosive limit – upper (%):</b>	No data available.
<b>Explosive limit – lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Relative density:</b>	0.96 60.1 °F (15.6 °C)
<b>Solubility(ies)</b>	
<b>Solubility in water</b>	Insoluble in water
<b>Solubility (other):</b>	No data available
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>Other information</b>	
<b>Bulk density:</b>	8.37 lb/gal

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Will not occur.
<b>Conditions to avoid:</b>	Not determined.
<b>Incompatible Materials:</b>	Strong acids. Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Inhalation:** No data available.  
**Ingestion:** No data available.  
**Skin Contact:** No data available.  
**Eye contact:** No data available.

### Information on toxicological effects

#### Acute toxicity

##### Oral

Product: Not classified for acute toxicity based on available data.

##### Dermal

Product: Not classified for acute toxicity based on available data.

##### Inhalation

Product: Not classified for acute toxicity based on available data.

##### Skin Corrosion/Irritation:

Product: Not classified as a primary skin irritant.

#### Serious Eye Damage/Eye Irritation:

Product: Remarks: Not classified as a primary eye irritant.

#### Respiratory sensitization:

No data available

#### Skin sensitization:

No data available

#### Specific Target Organ Toxicity – Single Exposure:

C-14 Olefins If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

#### Aspiration Hazard:

Product May be fatal if swallowed and enters airways.

#### Chronic Effects

##### Carcinogenicity:

No data available

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

#### US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

#### Germ Cell Mutagenicity:

No data available

#### Reproductive toxicity:

No data available

#### Specific Target Organ Toxicity – Repeated Exposure:

No data available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

<b>Fish</b>	No data available
<b>Aquatic Invertebrates</b>	No data available
<b>Toxicity to Aquatic Plants</b>	No data available
<b>Toxicity to soil dwelling organisms</b>	No data available
<b>Sediment Toxicity</b>	No data available
<b>Toxicity to Terrestrial Plants</b>	No data available
<b>Toxicity to Above-Ground Organisms</b>	No data available
<b>Toxicity to microorganisms</b>	No data available

**Persistence and Degradability**

**Biodegradation**  
No data available

**Bioaccumulative Potential**

**Bioconcentration Factor (BCF)**  
No data available

**Partition Coefficient n-octanol/water (log Kow)**  
No data available

**Mobility:**  
No data available

**Other Adverse Effects:**  
No data available

**13. DISPOSAL CONSIDERATIONS**

**Disposal instructions:** Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

**Contaminated Packaging:** Container packaging may exhibit hazards.

**14. TRANSPORT INFORMATION**

**DOT**  
Not regulated.

**IMDG**  
Not regulated.

**IATA**  
Not regulated.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**  
None known.

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size and/or origin and

destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. For transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed. Review classification requirements before shipping materials at elevated temperatures.

## 15. REGULATORY INFORMATION

### US Federal Regulations

#### TSCA Section 12 (b) Export Notification (40 CFR 707, Supt. D)

None present or none present in regulated quantities.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### Hazard categories

Immediate

(Acute) Health

Hazards

##### SARA 302 Extremely Hazardous Substance

##### SARA 304 Emergency Release Notification

##### SARA 311/312 Hazardous Chemical

##### SARA 313 (TRI Reporting)

This product may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA). Additional information can be received upon request.

### US State Regulations

#### US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

### Inventory Status

#### Australia (AICS)

All components are in compliance with chemical notification requirements in Australia.

#### Canada (DSL/NDSL)

All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

#### China (IECSC)

All components of this product are listed on the Inventory of Existing Chemical Substances in China.

#### European Union (REACH)

To obtain information on the REACH compliance status of this product, please e-mail

[REACH@SDSInquiries.com](mailto:REACH@SDSInquiries.com).

#### Japan (ENCS)

All components are in compliance with the Chemical Substances Control Law of Japan.

#### Korea (ECL)

This product requires notification before sale in Korea.

#### New Zealand (NZIoC)

All components are in compliance with chemical notification requirements in New Zealand.

#### Philippines (PICCS)

All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

#### Switzerland (SWISS)

This product contains a substance that is not listed on the Switzerland Inventory of Notified New Substances.

#### Taiwan (TCSCA)

This product requires notification before sales in Taiwan.

#### United States (TSCA)

All components of this material are on the US TSCA Inventory.

*The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.*

## 16. OTHER INFORMATION

### HMIS Hazard ID

Health	1
Flammability	1
Physical Hazards	0

Hazard rating: 0 – Minimal; 1 – Slight; 2 – Moderate; 3 – Serious; 4 – Severe; RNP – Rating not possible; \*Chronic health effect

### NFPA Hazard ID



Hazard rating: 0 – Minimal; 1 – Slight; 2 – Moderate; 3 – Serious; 4 – Severe; RNP – Rating not possible

**Issue Date:** 01/26/2016

**Version #:** 1.1

**Source of information:** Internal company data and other publically available resources.

**Further Information:** Contact supplier ( see Section 1)

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