

# FLUID VIS, HEC

## SAFETY DATA SHEET

Version: 2  
Revision Date: 06/01/2015  
Print Date: 06/01/2015

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product Identifiers

Product Name: Fluid Vis, HEC  
Product Number: MM001  
Brand: Fluid Technology Service International, LLC

#### 1.2 Use and Substance / Preparation:

Drilling & Workover Fluid / Rheology. Control agent.

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

Fluid Technology Service International, LLC  
P. O. Box 1702  
Scott, LA 70583  
Office: 877-503-5843

#### 1.4 Emergency telephone number

Emergency Phone #: Chemtrek – 1-800-424-9300 (24 hours)

### SECTION 2: HAZARDS IDENTIFICATION

**Appearance:** Brown

**Physical State:** Liquid

**Odor:** Hydrocarbon

**D.O.T. Hazard Classification:** Non-Hazardous Material

**OSHA/GHS Label Elements:** May cause eye and skin irritation.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-NO	Weight	North American Hazard Indicator
Hydroxyethyl Cellulose	9004-62-0	30 – 45%	None Known
Light Naphthenic	64742-53-6	40 – 75%	None Known
Suspension Additive	N/A	05 – 10%	None Known

#### 4: FIRST AID MEASURES

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##### 4.1 Description of first aid measures

**Skin:** Flush exposed area with plenty of water. Seek medical attention if irritation occurs.

**Eyes:** Flush eyes with plenty of water. Seek medical attention if there is any irritation.

**Inhalation:** N/A

**Ingestion:** Call a Physician

##### 4.2 Effects of Over-Exposure

**Skin:** Irritation and dermatitis in the event of prolong exposure.

**Eyes:** Eye irritant. May cause redness, tearing, and blurred vision.

**Inhalation:** N/A

**Ingestion:** May cause nausea, vomiting, diarrhea, and restlessness if ingested.

#### 5: FIRE-FIGHTING MEASURES

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**Flash Point:** (+200 °F)

**Upper Explosive Limit:** N/A

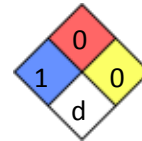
**Lower Explosive Limit:** N/A

**Extinguishing Media:** N/A

**Special Firefighting Procedures:** N/A

**Unusual Fire & Explosion Hazards:** N/A

**NFPA:** Health 1  
 Flammability 0  
 Reactivity 0  
 Maximum Personal Protection d



#### 6: ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:** Wet material on walking surfaces will be extremely slippery.

**Methods for Cleaning Up:** Contain large spills with dikes and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and then place in a chemical waste container. Flush residual spill area with water.

Disposal information – Refer to Section 13.

#### 7: HANDLING AND STORAGE

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Precautions to be taken in handling and storage:

**Hazardous Class:** Non-Regulated  
**DOT Shipping Name:** Fluid Vis  
**Reportable Quantity:** Above 500,000 Gallons  
**UN, Number:** None

## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls** Ventilation: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

### Personal Protective Equipment:

Respiratory Protection: No special requirements

Hand Protection: Protective Gloves Recommended

Eye Protection: Safety Glasses Recommended

Skin and Body Protection: Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wear appropriate protective clothing.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Brown  
 Physical State: Liquid  
 Odor: Hydrocarbon  
 pH: 7.0  
 Flash Point: +200° F  
 Boiling Point: 220° F  
 Melting/Freezing Point: N/A  
 Water Solubility: Appreciable  
 Evaporation Rate: <1  
 Vapor Pressure: N/A  
 Specific Gravity: 1.06

## 10: STABILITY AND REACTIVITY

**Stability:** Stable

**Polymerization:** Hazardous Polymerization will not occur

**Materials to Avoid:** Strong Oxidizers

**Hazardous Decomposition Products:** Carbon Dioxide and Carbon Monoxide

## 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects:

<b>Acute Toxicity</b>	Test on similar materials show a low order of acute oral and dermal toxicity.
<b>Acute Inhalation Effects</b>	Low acute toxicity expected on inhalation.
<b>Eye Irritations</b>	Minimal irritation.
<b>Skin irritations/effects</b>	May cause mild irritation with prolonged contact.
<b>Reproductive toxicity</b>	Based on available data, classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, classification criteria are not met.

## 12: ECOLOGICAL INFORMATION

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**Aquatic Release:** Advise authorities if product has entered water sources or sewer drains.

**Eco-toxicity:** Available data indicate this product is not acutely toxic.

**Biodegradability:** This product reaches less than 10% biodegradation in standard 28 day test and is not readily biodegradable in the environment.

## 13: DISPOSAL CONSIDERATIONS

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**Waste Disposal Method:** Dispose in accordance with local, state, and national regulations.

**Contaminated Packaging:** Dispose of container and unused contents in accordance with federal state, and local requirements.

## 14: TRANSPORTATION INFORMATION

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**General Information:** The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment transportation.

**D.O.T. Hazard Classification:** Non-hazardous material

**TDG:** Not Hazardous

**IMO/IMDG:** Not Hazardous

**ICAO/IATA:** Not Hazardous

**RED/ADR:** Not Hazardous

## 15: REGULATORY INFORMATION

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Superfund Amendments and reauthorization act of 1986 Title 111 (Emergency Planning and Community Right to Know Act) Section 313> To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

TSCA: All components of this product on the TSCA inventory list requirements.

CEPA: All substance contained in this product are listed on the Canadian Domestic Substance list DSL or are not required to be listed.

California Proposition 65: Component Propylene Oxide case # 75-56-9 known to California to cause cancer.

Carcinogenicity: Not recognized as a carcinogen by the IARC, NTP, or OSHA.

**16: OTHER INFORMATION**

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Original Preparation: 15-April-13  
Revision Date: 1-June-15  
Revision Number: 2  
Reason for Revision: New SDS format. This version replaces all previous versions.

## Abbreviations and Acronyms:

ACGIH TLV – American Conference of Governmental Industrial Hygienists Threshold Limit Values  
AICS – Australian Inventory of Chemical Substances (Australia)  
CAS – Chemical Abstract Service  
CHINA – Chinese Inventory of Existing Chemical Substances (China)  
DOT – U.S. Department of Transportation  
DSL – Domestic Substance List (Canada)  
EINECS – European Inventory of Existing Commercial Chemical Substances (EU)  
ELINCS – European List of Notified Chemical Substances (EU)  
ENCS – Existing and New Chemical Substances (Japan) / ISHL – Industrial Health and Safety Law (Japan)  
GHS – Globally Harmonized System of Classification and Labelling of Chemicals  
IATA – International Air Transport Association Dangerous Goods Regulations  
ICAO – International Civil Aviation Organization  
ICL – In Commerce List (Canada)  
IMDG – International Maritime Dangerous Goods Code  
IMO – International Maritime Organization  
KECL – Korean Existing and Evaluated Chemical Substances (Korea)  
MEX – NOM-002-SCT/2003 List of Hazardous Substances and Materials Most Commonly Transported  
NDSL – Non-Domestic Substances List (Canada)  
NFPA – National Fire Protection Association  
NIOSH – National Institute of Occupational Safety and Health  
NZIoC – New Zealand Inventory of Chemicals (New Zealand)  
OSHA – Occupational Safety and Health Administration  
OSHA PEL – Occupational Safety and Health Administration Permissible Exposure Limits  
PICCS – Inventory of Chemicals and Chemical Substances (Philippines)  
STOT – Specific Target Organ Toxicity  
TDG – Transportation of Dangerous Goods (Transport Canada)  
TSCA – Toxic Substances Control Act, Section 8(b) Inventory (USA)  
TWA – Time Weighted Average: Average concentration that should not be exceeded during a work day (~8 hrs.)  
WHMIS – Workplace Hazardous Materials Information System

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Sheet.