

# **EO SEAL II**

## **SECTION 1. IDENTIFICATION**

**Product Identifier EO SEAL II** Other Means of

Identification

Fluid Loss Control

Recommended Use

Drilling Fluid Additive.

Manufacturer /

AES Drilling Fluids, LLC, 11767 Katy Freeway, Suite 230, Houston, TX, 77079, Sales &

**Supplier** 

Information, 281-556-5628

Emergency Phone No. CHEMTREC, 1-800-424-9300, 24-hour Emergency

**Date of Preparation** 

May 05, 2015

## **SECTION 2. HAZARDS IDENTIFICATION**

#### **GHS Classification**

OSHA Defined Hazards: Combustible dust

#### **GHS Label Elements**

Signal Word: Warning

Hazard Statement(s):

Dust in eye may result in mechanical irritation. May form combustible dust concentrations in air

Precautionary Statement(s):

Prevention:

P271 Use only outdoors or in a well-ventilated area.

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

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Other Hazards

This material is classified as not hazardous under OSHA regulations.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Natural Cellulose	CBI*	90-95	
Trade Secret	CBI*	5-10	

#### **Notes**

The specific chemical identity and/or exact percentage of composition (concentration) has been withheld as a trade secret.

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

#### **First-aid Measures**

#### Inhalation

Remove source of exposure or move to fresh air. Get medical advice/attention if you feel unwell or are concerned.

#### **Skin Contact**

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap. If irritation develops, seek medical attention.

#### **Eve Contact**

Flush eyes thoroughly with lukewarm water for 15 minutes. If eye irritation persists, get medical advice/attention.

## Ingestion

Rinse mouth with water. If large amounts are ingested, give water to drink and get medical advice.

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

#### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

#### **Specific Hazards Arising from the Chemical**

At very high dust concentrations, product may form combustible dust concentrations or explosive dust-air mixtures. Oxides of carbon.

## **Special Protective Equipment and Precautions for Fire-fighters**

When fighting chemical fires, emergency responders should wear NIOSH approved self contained breathing apparatus and appropriate protective clothing.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

## Personal Precautions, Protective Equipment, and Emergency Procedures

See Section 8 for appropriate personal protective equipment. Keep out unnecessary and unprotected personnel.

#### **Environmental Precautions**

It is good practice to prevent releases into the environment.

## Methods and Materials for Containment and Cleaning Up

Eliminate all ignition sources. Avoid generating dust. Vacuum or sweep product up, try to minimize dust build-up. Place solid waste in a sealed container for disposal in accordance with local environmental and public health regulations. Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal. Vacuum or sweep product up, try to minimize dust build-up. Wet sweeping may be used to minimize dust build-up. Containerize for solid waste disposal. Dispose of according to local, state and federal regulations.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Avoid breathing in dust. Avoid contact with eyes, skin and clothing. Do not ingest product. Keep away from sources of ignition, No Smoking while working with this product. Wash hands thoroughly after handling this material. Wear personal protective equipment to avoid direct contact with this chemical. See Section 8 for appropriate Personal Protective Equipment (PPE). Only use where there is adequate ventilation. Avoid creating excessive dust while handling the product. Dust may form an explosive mixture with air at high concentrations.

### **Conditions for Safe Storage**

Store in an area that is: cool, dry, well-ventilated. Away from open flames, excessive heat or sources of ignition. Keep containers tightly closed when not in use. Use good housekeeping to prevent accumulation of dust.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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#### **Control Parameters**

	ACGIH®	ACGIH® TLV®		OSHA PEL		AIHA® WEEL™	
Chemical Name	TWA	STEL [C]	TWA	Ceiling	8-hr TWA	Short-term TWA [C]	
Natural Cellulose	10 mg/m3		5 mg/m3 (R)		Not established		
Trade Secret	Not established		Not established		Not established		

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. AIHA® = AIHA® Guideline Foundation. WEEL™ = Workplace Environmental Exposure Limit. R = Respirable fraction.

Control parameter values for respirable dust.

#### **Appropriate Engineering Controls**

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. A suitable eyewash station should be within acceptable distance to the work area.

#### **Individual Protection Measures**

#### **Eye/Face Protection**

Use goggles or face shield when there is risk of eye contact or visible dust produced.

#### **Skin Protection**

Wear appropriate gloves while handling product. Wear long sleeves, long pants and appropriate footwear while working with product.

## **Respiratory Protection**

If conditions of use promote large amounts of dust to gather in the work area, wear NIOSH approved dust mask or respirator.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

## **Basic Physical and Chemical Properties**

**Appearance** Light tan - brown powder.

**Odour** Faint

Odour Threshold Not available pH Not available

Melting Point/Freezing Point Not available (melting); Not available (freezing)

Initial Boiling Point/RangeNot availableFlash PointNot availableEvaporation RateNot availableFlammability (solid, gas)Not available

Upper/Lower Flammability or

**Explosive Limit** 

Not available (upper); Not available (lower)

Vapour Pressure Not available
Vapour Density (air = 1) Not available

Relative Density (water = 1) 1.4

Solubility Insoluble in water
Partition Coefficient, Not available

n-Octanol/Water (Log Kow)

Auto-ignition Temperature Not available

Other Information

Physical State Solid

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### **SECTION 10. STABILITY AND REACTIVITY**

#### Reactivity

Not reactive under normal conditions of use.

#### **Chemical Stability**

Stable under normal conditions.

## **Possibility of Hazardous Reactions**

None expected under normal conditions of storage and use.

#### **Conditions to Avoid**

Strong oxidizers.

#### **Incompatible Materials**

Strong Oxidizing Agents.

### **Hazardous Decomposition Products**

Product does not decompose at ambient temperatures.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

## **Likely Routes of Exposure**

Inhalation; skin contact; eye contact; ingestion.

## **Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Natural Cellulose	> 5800 mg/m3 (rat) (4-hour exposure)	> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Trade Secret	Not available	Not available	Not available

#### Skin Corrosion/Irritation

May cause skin irritation.

#### Serious Eye Damage/Irritation

May cause mechanical irritation to eyes.

## STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May cause irritation of the mucous membranes and upper respiratory tract.

#### Ingestion

May cause irritation of the gastrointestinal tract. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

#### STOT (Specific Target Organ Toxicity) - Repeated Exposure

No known significant effects.

#### Respiratory and/or Skin Sensitization

Not a respiratory sensitizer. Not a skin sensitizer.

## Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Natural Cellulose	Not Listed	Not Listed	Not Listed	Not Listed
Trade Secret	Not Listed	Not designated	Not Listed	Not Listed

Not known to cause cancer.

Key to Abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists. IARC = International Agency for Research on Cancer. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration.

## **Reproductive Toxicity**

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### **Development of Offspring**

No information was located.

## **Germ Cell Mutagenicity**

No information was located.

#### Interactive Effects

No information was located.

#### **SECTION 12. ECOLOGICAL INFORMATION**

#### **Toxicity**

No information was located.

## **Acute Aquatic Toxicity**

Chemical Name	LC50 Fish	FC5U Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Natural Cellulose	Not available	Not available		Not available
Trade Secret	Not available	Not available	Not available	Not available

### Persistence and Degradability

No information was located.

#### **Bioaccumulative Potential**

No information was located.

## **Mobility in Soil**

No information was located.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

## **Disposal Methods**

Dispose of in accordance with all local, state and federal regulations. Not classified as RCRA Hazardous. RCRA WASTE NUMBER: Not Applicable.

#### **SECTION 14. TRANSPORT INFORMATION**

Not regulated under US DOT Regulations.

Special Precautions Not applicable

for User

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

#### **SECTION 15. REGULATORY INFORMATION**

# Safety, Health and Environmental Regulations

#### **USA**

#### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

## **Additional USA Regulatory Lists**

CERCLA: Product does not contain any chemicals subject to the reporting requirement of CERCLA.

SARA Title III - Section 302: No listed components.

SARA Title III - Section 311/312: No listed components.

SARA Title III - Section 313: None.

## **SECTION 16. OTHER INFORMATION**

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NFPA Rating Health - 1 Flammability - 1 Instability - 0

SDS Prepared By AES Drilling Fluids Phone No. 281-556-5628

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Do not handle or use until precautions on MSDS are read and understood. The information on this form is furnished solely for the purpose of enabling those who transport, handle or use our products to ensure the safety and health of their employees and to comply with various laws and regulations (federal, state and local). We believe the statements, technical information

and regulations (federal, state and local). We believe the statements, technical information and recommendations contained herein are reliable but, they are given without warranty or guarantee of any kind, express or implied and we assume no responsibility for any loss,

damage, direct or consequential, arising out of their use.

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