



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AES SACK SQUEEZE

PRODUCT DESCRIPTION: Cellulose, Fiber Blend

MSDS NUMBER: 4019

MANUFACTURER: AES Drilling Fluids LLC
11767 Katy Freeway, Suite 230
Houston, TX 77079
281-556-5628 (Sales & Information)

EMERGENCY TELEPHONE: CHEMTREC 800-424-9300 (24-hour Emergency)

DATE PREPARED: January 8, 2014

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>HAZARDOUS</u>
Proprietary Fibers		>99%	No
Silica (quartz)	14808-60-7	<1%	Yes

This material is classified as hazardous under OSHA regulations.

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Brown fibrous powder. Dust in eyes may result in mechanical irritation. Inhalation of dust may result in irritation of mucous membranes. May contain trace amounts of crystalline silica.

POTENTIAL HEALTH EFFECTS:

EYE: Dust in eye may result in mechanical irritaiton.

SKIN: No effects anticipated.

INGESTION: No effects anticipated.

INHALATION: May result in irritation of mucous membranes.

CHRONIC EFFECTS: Prolonged or repeated inhalation may cause chronic bronchial irritation and serious health damage. This product may contain trace amounts of crystalline silica. Silica, a common component of sand, has been reported to cause respiratory disease if inhaled over a long period of time. Chronic symptoms include cough, dyspnea, wheezing, decreased chest expansion and non-specific chest illnesses. Crystalline Silica has been classified as a human carcinogen by the IARC (International Agency for Research on Cancer) and the NTP (National Toxicology Program).

POTENTIAL ENVIRONMENTAL EFFECTS:

None known.

SECTION 4 – FIRST AID MEASURES

EYE: Irrigate eyes with water to remove all particles. Seek medical attention if irritation persists.

SKIN: Wash with soap and water.

INGESTION: Drink large amounts of water.

INHALATION: Remove victim to fresh air.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT & METHOD: Not Applicable
FLAMMABLE LIMITS: Not Available
AUTOIGNITION TEMPERATURE: Not Available
FLAMMABILITY CLASS: Not Applicable. Product is a solid.

EXTINGUISHING MEDIA: Water, Carbon Dioxide, Foam, Dry chemical.

PROTECTION OF FIREFIGHTERS: Wear self-contained breathing apparatus under confined conditions.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

CONTAINMENT: Product is a solid.

CLEAN-UP & DISPOSAL: Carefully sweep up material and wash floor with soap and water. Avoid creating dusty situations. Containerize for solid waste disposal.

SECTION 7 – HANDLING AND STORAGE

HANDLING: Use personal protective equipment as detailed in Section 8 below.

STORAGE: Store between 0°F and 120°F. Keep containers tightly closed when not in use. Avoid spills.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general mechanical ventilation to control dust.

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Safety glasses or goggles if exposure to dust is possible.

SKIN PROTECTION: None required.

RESPIRATORY PROTECTION: In dusty atmospheres use a NIOSH-approved dust or other suitable respirator.

EXPOSURE GUIDELINES:

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>OSHA TWA</u>	<u>OSHA STEL</u>	<u>ACGIH TWA</u>	<u>ACGIH STEL</u>
Crystalline Silica	14808-60-7	10 mg/m ³ %SiO ₂ + 2		0.025 mg/m ³	

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Brown Fibrous powder

ODOR: None

PHYSICAL STATE: Solid

pH: 6.0 (5% in water)

VAPOR PRESSURE (mm Hg): Not Applicable

VAPOR DENSITY (air = 1): Not Applicable

BOILING POINT: Not Applicable

FREEZING POINT: Not Applicable

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY (water = 1): 2.0 - 2.6

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: None

MATERIALS TO AVOID (INCOMPATIBILITY): None.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide may form on combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Not Available

SECTION 12 – ECOLOGICAL INFORMATION

Not Available

SECTION 13 – DISPOSAL CONSIDERATIONS

Not classified as RCRA Hazardous.
RCRA WASTE NUMBER: Not Applicable

SECTION 14 – TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION: Not Regulated
SHIPPING NAME: Not Applicable
HAZARD CLASS: Not Applicable
IDENTIFICATION NUMBER: Not Applicable
PACKING GROUP: Not Applicable

SECTION 15 – REGULATORY INFORMATION

TSCA (TOXIC SUBSTANCES CONTROL ACT): All components of this product are listed on the TSCA Inventory.
CERCLA (COMPREHENSIVE EMERGENCY RESPONSE, COMPENSATION AND LIABILITY ACT): Product does not contain any chemicals subject to the reporting requirements of CERCLA.

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: No listed components.

SECTION 311/312 HAZARD CATEGORIES: Delayed Health Hazard

SECTION 313 TOXIC CHEMICALS: None

SECTION 16 – OTHER INFORMATION

NFPA RATING:	HEALTH:	1
	FLAMMABILITY:	1
	REACTIVITY:	0

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 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.