



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AES SYNER MUL

PRODUCT DESCRIPTION: Blended Emulsifier

MSDS NUMBER: 6005

SUPPLIER: AES Drilling Fluids, LLC
1625 Broadway Suite 1480
Denver, CO 80202
800-804-6590 (Sales & Information)

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

DATE PREPARED: December 7, 2010

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>HAZARDOUS</u>
Fatty Acid Alkyl Polyamide		100%	Yes

This material is classified as hazardous under OSHA regulations.

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Clear amber liquid with a slight odor. Product may cause skin and eye irritation. Irritation may become severe with prolonged contact. May be harmful if swallowed or inhaled.

POTENTIAL HEALTH EFFECTS:

EYE: May cause irritation.

SKIN: May cause irritation.

INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

INHALATION: Prolonged inhalation of vapors may cause slight and temporary irritation to respiratory system.

CHRONIC EFFECTS: None

POTENTIAL ENVIRONMENTAL EFFECTS:

No Data Available.

SECTION 4 – FIRST AID MEASURES

EYE: Immediately flush with plenty of water for 15 minutes. Seek medical attention.

SKIN: Wash with soap and water. Remove and clean contaminated clothing.

INGESTION: Material presents a potential aspiration hazard. If swallowed, do not induce vomiting. Immediately give 2 glasses of water. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT & METHOD: >230°F

FLAMMABLE LIMITS: Not Available

AUTOIGNITION TEMPERATURE: Not Available

FLAMMABILITY CLASS: Combustible Class III-B

EXTINGUISHING MEDIA: Water spray, CO2, Dry chemical, Foam.

PROTECTION OF FIREFIGHTERS: Apply water to keep fire-exposed containers cool. Wear self-contained breathing apparatus and eye protection. Isolate fuel source if possible.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

CONTAINMENT: Remove any sources of heat, sparks or flame. Use appropriate personal protective equipment. Dike the spill. Prevent material from entering sewers, waterways or other low areas.

CLEAN-UP & DISPOSAL: Provide adequate ventilation to spill area. Place in suitable containers for disposal or recycling. Can be soaked up with sawdust, sand, oil dry or other absorbent material.

SECTION 7 – HANDLING AND STORAGE

HANDLING: Avoid breathing vapors and mist. Avoid prolonged contact with eyes, skin and clothing. Wear appropriate personal protective equipment as detailed in Section 8 below. Wash thoroughly after handling. Close containers after each use. Do not expose to flames, sparks or extreme heat.

STORAGE: Store in a well ventilated, cool, dry place. Store away from oxidizers, heat, sparks and extreme heat.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide normal shop ventilation.

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Safety glasses with side shields or chemical goggles.

SKIN PROTECTION: Chemical resistant gloves and coveralls with long sleeves if potential for repeated skin contact exists.

RESPIRATORY PROTECTION: If exposure exceeds the PEL, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134.

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>
Oil Mist		5 mg/m ³		5 mg/m ³	10 mg/m ³

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Amber liquid

ODOR: slight odor

PHYSICAL STATE: liquid

pH: Not Available

VAPOR PRESSURE (mm Hg): Not Available

VAPOR DENSITY (air = 1): Not Available

BOILING POINT: Not Available

FREEZING POINT: Not Available

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY (water = 1): 0.97

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable at normal temperatures and storage conditions.

CONDITIONS TO AVOID: Heat, sparks and flames.

MATERIALS TO AVOID (INCOMPATIBILITY): Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

No information available for this product.

SECTION 12 – ECOLOGICAL INFORMATION

No Data 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: Immediate Health Hazard

SECTION 313 TOXIC CHEMICALS: None

WHMIS: D1B, D2B-Toxic Material, Skin and eye irritant

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.