

## DEFOAMEX SB

### SECTION 1. IDENTIFICATION

**Product Identifier** DEFOAMEX SB  
**Recommended Use** Defoamer.  
**Manufacturer / Supplier** AES Drilling Fluids, LLC, 11767 Katy Freeway, Suite 230, Houston, TX, 77079, Sales & Information, 281-556-5628  
**Emergency Phone No.** CHEMTREC, 1-800-424-9300, 24-hour Emergency  
**Date of Preparation** May 13, 2015

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Acute toxicity (Dermal) - Category 5

#### GHS Label Elements

Signal Word:

Warning

Hazard Statement(s):

H333 May be harmful if inhaled.

H316 Causes mild skin irritation.

H320 Causes eye irritation.

Precautionary Statement(s):

Prevention:

P264 Wash hands and skin thoroughly after handling.

P260 Do not breathe mist, vapours, spray.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/eye protection/face protection.

Response:

P301 + P312 If SWALLOWED: Call a POISON CENTRE/doctor/ if you feel unwell.

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

P337 + P313 If eye irritation persists: Get medical advice/attention.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

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

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

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Glycols derivatives	CBI*	80-100	

#### Notes

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

CBI = Confidential Business Information.

## 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

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. If skin irritation occurs get medical advice/attention.

#### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

#### Ingestion

Rinse mouth with water. Do not induce vomiting. If vomiting occurs, have victim lean forward to reduce the risk of aspiration. Seek immediate medical attention.

## SECTION 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water, Carbon Dioxide, Foam, Dry chemical.

### Specific Hazards Arising from the Chemical

Closed containers may rupture violently when heated releasing contents.

Oxides of carbon.

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

Use water spray to cool containers/tanks.

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

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

### Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. Prevent product from entering drains, soil, ditches, sewers, waterways and/or groundwater.

### Methods and Materials for Containment and Cleaning Up

Dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment. Contain and soak up spill using noncombustible material such as vermiculite, earth or sand. Store recovered product in suitable containers for disposal according to local regulations.

### Other Information

Contact EH&S regarding spill as spills of certain products and certain quantities may require reporting to various authorities.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid breathing in this product. Do not get in eyes, on skin or on clothing. Do not ingest product. Only use where there is adequate ventilation. Avoid generating vapours or mists. Do not eat, drink or smoke in areas where product is handled. Employees should wash hands after working with product and before going on breaks outside of the work area. Wear personal protective equipment to avoid direct contact with this chemical. See Section 8 for appropriate Personal Protective Equipment (PPE).

### Conditions for Safe Storage

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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.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL		AIHA® WEEL™	
	TWA	STEL [C]	TWA	Ceiling	8-hr TWA	Short-term TWA [C]
Glycols derivatives	Not established	Not established	Not established	Not established	Not established	Not established

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

### 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

Safety glasses or goggles. Use chemical goggles or a face shield if product could be splashed.

#### Skin Protection

Wear gloves with appropriate chemical resistance, see manufacturers specifications for suitability. Wear long sleeves, long pants and appropriate footwear while working with product.

#### Respiratory Protection

If conditions exist above the OEL wear a NIOSH approved respirator with an appropriate cartridge.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	liquid.
Odour	Faint
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	> 212 °F (100 °C)
Flash Point	> 200 °F (93 °C) (closed cup)
Evaporation Rate	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)	0.95 - 1.02
Solubility	Insoluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Other Information	
Physical State	Liquid

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

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Not reactive under normal conditions of use.

**Chemical Stability**

Normally stable.

**Possibility of Hazardous Reactions**

None expected under normal conditions of storage and use.

**Conditions to Avoid**

Product is stable under normal conditions of use and storage.

**Incompatible Materials**

Isocyanates, strong acids (e.g. hydrochloric acid). Strong alkalis strong oxidizing agents (e.g. perchloric acid).

**Hazardous Decomposition Products**

Oxides of carbon.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure**

Inhalation; skin contact; eye contact; ingestion.

**Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Glycols derivatives	Not available	Not available	Not available

**Skin Corrosion/Irritation**

May cause skin irritation.

**Serious Eye Damage/Irritation**

May cause mild eye irritation.

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

**Inhalation**

Vapors may cause respiratory tract irritation.

**Ingestion**

May be harmful if ingested.

**Aspiration Hazard**

No information was located.

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

Prolonged skin contact may aggravate existing skin conditions such as dermatitis.

**Respiratory and/or Skin Sensitization**

Not known to be a skin sensitizer. Not known to be a respiratory sensitizer.

**Carcinogenicity**

Chemical Name	IARC	ACGIH®	NTP	OSHA
Glycols derivatives	Not Listed	Not Listed	Not Listed	Not Listed

Not known to cause cancer.

**Key to Abbreviations**

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

**Reproductive Toxicity**

**Development of Offspring**

No information was located.

**Sexual Function and Fertility**

No information was located.

**Effects on or via Lactation**

No information was located.

**Germ Cell Mutagenicity**

No information was located.

**SECTION 12. ECOLOGICAL INFORMATION**

Do not allow product to contaminate domestic or irrigation water supplies, lakes, streams, ponds or rivers.

**Toxicity**

No information was located.

**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.

**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 exempt from the TSCA.

**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: Immediate Health Hazard

SARA Title III - Section 313: No chemicals are reportable under Section 313.

**SECTION 16. OTHER INFORMATION**

**NFPA Rating**                      **Health - 1**    **Flammability - 1**                      **Instability - 0**

**SDS Prepared By**                      AES Drilling Fluids

**Phone No.**                                      281-556-5628

**Date of Preparation**                      May 13, 2015

**Disclaimer**                      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.

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