

## MATERIAL SAFETY DATA SHEET

Product Trade Name: **BARO-SEAL™ MEDIUM**

Revision Date: 20-Dec-2012

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Trade Name:** BARO-SEAL™ MEDIUM  
**Synonyms:** None  
**Chemical Family:** Not applicable  
**Application:** Additive  
**Manufacturer/Supplier:** Baroid Fluid Services  
Product Service Line of Halliburton  
P.O. Box 1675  
Houston, TX 77251  
Telephone: (281) 871-4000  
Emergency Telephone: (281) 575-5000  
**Prepared By:** Chemical Compliance  
Telephone: 1-580-251-4335  
e-mail: fdunexchem@halliburton.com

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Substances                       | CAS Number | PERCENT   | ACGIH TLV-TWA  | OSHA PEL-TWA   |
|----------------------------------|------------|-----------|----------------|----------------|
| Contains no hazardous substances | Mixture    | 60 - 100% | Not applicable | Not applicable |

### 3. HAZARDS IDENTIFICATION

**Hazard Overview** May cause eye irritation.

### 4. FIRST AID MEASURES

**Inhalation** Under normal conditions, first aid procedures are not required.  
**Skin** Under normal conditions, first aid procedures are not required.  
**Eyes** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.  
**Ingestion** Under normal conditions, first aid procedures are not required.  
**Notes to Physician** Not Applicable

## 5. FIRE FIGHTING MEASURES

|   |                |
|---|----------------|
| Flash Point/Range (F):                        | Not Determined |
| Flash Point/Range (C):                        | Not Determined |
| Flash Point Method:                           | Not Determined |
| Autoignition Temperature (F):                 | Not Determined |
| Autoignition Temperature (C):                 | Not Determined |
| Flammability Limits in Air - Lower (%):       | Not Determined |
| Flammability Limits in Air - Lower (oz./ft3): | 0.07           |
| Flammability Limits in Air - Upper (%):       | Not Determined |

**Fire Extinguishing Media** Water fog, carbon dioxide, foam, dry chemical.

**Special Exposure Hazards** Organic dust in the presence of an ignition source can be explosive in high concentrations. Good housekeeping practices are required to minimize this potential.

**Special Protective Equipment for Fire-Fighters** Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

**NFPA Ratings:** Health 1, Flammability 1, Reactivity 0  
**HMS Ratings:** Health 1, Flammability 1, Reactivity 0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautionary Measures** Use appropriate protective equipment.

**Environmental Precautionary Measures** None known.

**Procedure for Cleaning / Absorption** Scoop up and remove.

## 7. HANDLING AND STORAGE

**Handling Precautions** Avoid creating or inhaling dust.

**Storage Information** Store away from oxidizers. Store in a dry location.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls** Use in a well ventilated area.

**Personal Protective Equipment** If engineering controls and work practices cannot prevent excessive exposures, the selection and proper use of personal protective equipment should be determined by an industrial hygienist or other qualified professional based on the specific application of this product.

**Respiratory Protection** Not normally needed. But if significant exposures are possible then the following respirator is recommended:  
Dust/mist respirator. (N95, P2/P3)

**Hand Protection** Normal work gloves.

**Skin Protection** Normal work coveralls.

**Eye Protection** Safety glasses.

**Other Precautions** None known.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                |
|--|----------------|
| Physical State:                            | Solid          |
| Color:                                     | Brown          |
| Odor:                                      | Characteristic |
| pH:  | Not Determined |
| Specific Gravity @ 20 C (Water=1):         | Not Determined |
| Density @ 20 C (lbs./gallon):              | Not Determined |
| Bulk Density @ 20 C (lbs/ft3):             | Not Determined |
| Boiling Point/Range (F):                   | Not Determined |
| Boiling Point/Range (C):                   | Not Determined |
| Freezing Point/Range (F):                  | Not Determined |
| Freezing Point/Range (C):                  | Not Determined |
| Vapor Pressure @ 20 C (mmHg):              | Not Determined |
| Vapor Density (Air=1):                     | Not Determined |
| Percent Volatiles:                         | Not Determined |
| Evaporation Rate (Butyl Acetate=1):        | Not Determined |
| Solubility in Water (g/100ml):             | Insoluble      |
| Solubility in Solvents (g/100ml):          | Not Determined |
| VOCs (lbs./gallon):                        | Not Determined |
| Viscosity, Dynamic @ 20 C (centipoise):    | Not Determined |
| Viscosity, Kinematic @ 20 C (centistokes): | Not Determined |
| Partition Coefficient/n-Octanol/Water:     | Not Determined |
| Molecular Weight (g/mole):                 | Not Determined |

## 10. STABILITY AND REACTIVITY

|                                      |                   |
|--------------------------------------|-------------------|
| Stability Data:                      | Stable            |
| Hazardous Polymerization:            | Will Not Occur    |
| Conditions to Avoid                  | None known.       |
| Incompatibility (Materials to Avoid) | Strong oxidizers. |
| Hazardous Decomposition Products     | None known.       |
| Additional Guidelines                | Not Applicable    |

## 11. TOXICOLOGICAL INFORMATION

|                                 |  |
|---------------------------------|--|
| Principle Route of Exposure     | Eye or skin contact, inhalation.   |
| Inhalation                      | May cause mild respiratory irritation.   |
| Skin Contact                    | None known.  |
| Eye Contact                     | May cause mild eye irritation.   |
| Ingestion                       | None known   |
| Aggravated Medical Conditions   | None known.  |
| Chronic Effects/Carcinogenicity | No data available to indicate product or components present at greater than 1% are chronic health hazards. |
| Other Information               | None known.  |
| Toxicity Tests                  |  |

|   |                |
|---|----------------|
| <b>Oral Toxicity:</b>                             | Not determined |
| <b>Dermal Toxicity:</b>                           | Not determined |
| <b>Inhalation Toxicity:</b>                       | Not determined |
| <b>Primary Irritation Effect:</b>                 | Not determined |
| <b>Carcinogenicity</b>                            | Not determined |
| <b>Genotoxicity:</b>                              | Not determined |
| <b>Reproductive /<br/>Developmental Toxicity:</b> | Not determined |

|                                   |
|-----------------------------------|
| <b>12. ECOLOGICAL INFORMATION</b> |
|-----------------------------------|

|                                  |                |
|----------------------------------|----------------|
| <b>Mobility (Water/Soil/Air)</b> | Not determined |
| <b>Persistence/Degradability</b> | Biodegradable  |
| <b>Bio-accumulation</b>          | Not determined |

**Ecotoxicological Information**

|                                    |                |
|------------------------------------|----------------|
| <b>Acute Fish Toxicity:</b>        | Not determined |
| <b>Acute Crustaceans Toxicity:</b> | Not determined |
| <b>Acute Algae Toxicity:</b>       | Not determined |

|                                  |                |
|----------------------------------|----------------|
| <b>Chemical Fate Information</b> | Not determined |
| <b>Other Information</b>         | Not applicable |

|                                    |
|------------------------------------|
| <b>13. DISPOSAL CONSIDERATIONS</b> |
|------------------------------------|

|                               |   |
|-------------------------------|---|
| <b>Disposal Method</b>        | Bury in a licensed landfill according to federal, state, and local regulations. |
| <b>Contaminated Packaging</b> | Follow all applicable national or local regulations.                            |

|                                  |
|----------------------------------|
| <b>14. TRANSPORT INFORMATION</b> |
|----------------------------------|

**Land Transportation**

**DOT**  
Not restricted

**Canadian TDG**  
Not restricted

**ADR**  
Not restricted

**Air Transportation**

**ICAO/IATA**  
Not restricted

## Sea Transportation

### IMDG

Not restricted

## Other Transportation Information

Labels: None

## 15. REGULATORY INFORMATION

### US Regulations

|  |  |
|--|--|
| <b>US TSCA Inventory</b>                                 | All components listed on inventory or are exempt.  |
| <b>EPA SARA Title III Extremely Hazardous Substances</b> | Not applicable   |
| <b>EPA SARA (311,312) Hazard Class</b>                   | None   |
| <b>EPA SARA (313) Chemicals</b>                          | This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372). |
| <b>EPA CERCLA/Superfund Reportable Spill Quantity</b>    | Not applicable.  |
| <b>EPA RCRA Hazardous Waste Classification</b>           | If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.                             |
| <b>California Proposition 65</b>                         | All components listed do not apply to the California Proposition 65 Regulation.  |
| <b>MA Right-to-Know Law</b>                              | Does not apply.  |
| <b>NJ Right-to-Know Law</b>                              | Does not apply.  |
| <b>PA Right-to-Know Law</b>                              | Does not apply.  |

### Canadian Regulations

|                               |   |
|-------------------------------|---|
| <b>Canadian DSL Inventory</b> | All components listed on inventory or are exempt. |
| <b>WHMIS Hazard Class</b>     | Un-Controlled                                     |

## 16. OTHER INFORMATION

### The following sections have been revised since the last issue of this MSDS

Not applicable

**Additional Information** For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Material Safety Data Sheet for this or other Halliburton products, contact Chemical Compliance at 1-580-251-4335.

**Disclaimer Statement**

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**\*\*\*END OF MSDS\*\*\***