



## Emergency Management

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### SEA BRAT #4

TECHNICAL PRODUCT BULLETIN #D-10  
USEPA, OIL PROGRAM CENTER  
ORIGINAL LISTING DATE: NOVEMBER 26, 2002  
REVISED LISTING DATE:  
"SEA BRAT #4"

#### I. NAME, BRAND, OR TRADEMARK

SEA BRAT #4  
Type of Product: Dispersant

#### II. NAME, ADDRESS, AND TELEPHONE NUMBER OF MANUFACTURER/CONTACT

Alabaster Corp.  
6921 Olson Ln.  
Pasadena, TX 77505  
Phone: (281) 487-5482  
(800) 609-2728  
Fax: (281) 487-9014  
Email: [alabastercorp@aol.com](mailto:alabastercorp@aol.com)  
(Mr. Charles A. Sheffield)

#### III. NAME, ADDRESS, AND TELEPHONE NUMBER OF PRIMARY DISTRIBUTORS

Garner Environmental Services  
3197 Main Street  
LaMarque, TX 77568  
Phone: (800) 935-0308  
Fax: (409) 935-0678  
(Mr. Jack Campbell)

#### IV. SPECIAL HANDLING AND WORKER PRECAUTIONS FOR STORAGE AND FIELD APPLICATION

1. Flammability:  
Non-flammable
2. Ventilation:  
Normal.
3. Skin and eye contact; protective clothing; treatment in case of contact:  
Wear safety glasses or goggles, gloves, and rubber boots. Wash after each shift. Remove and wash contaminated clothing before reuse. No respiratory protection is required. Local exhaust is desirable. Mechanical exhaust is helpful in congested areas.  
Skin contact - flush with water. Seek medical attention if irritation persists. Eye contact - flush with water using eye cup or fountain for 15 minutes. Seek medical attention if irritation persists.  
Ingestion - seek medical attention. Inhalation - no medical attention is required with inhalation.
- 4.a. Maximum storage temperature: 120°F
- 4.b. Minimum storage temperature: 35°F
- 4.c. Optimum storage temperature range: NA
- 4.d. Temperatures of phase separations and chemical changes: NA

#### V. SHELF LIFE

Indefinite when stored properly.

## VI. RECOMMENDED APPLICATION PROCEDURE

### 1. Application Method:

Spray affected area with a high pressure pump. Always apply in compliance with federal, state, and local laws.

### 2. Concentration/Application Rate:

Dilution ratios of 1 part SEA BRAT #4 to 9 parts water for a 10 percent solution.

### 3. Conditions for Use:

May be applied to the coastal waters of the U.S. It is designed for hydrocarbon spills on water temperatures between 50°F and 90°F. It is best applied with nozzle pressure between 80 psi and 100 psi, with a direct hard spray and continuously moving the stream of water over the entire surface.

## VII. TOXICITY AND EFFECTIVENESS

### a. Toxicity

Material Tested	Species	LC50 (ppm)
SEA BRAT #4	Menidia beryllina	30.00 96-hr
	Mysidopsis bahia	14.00 48-hr
No. 2 Fuel Oil	Menidia beryllina	16.00 96-hr
	Mysidopsis bahia	14.00 48-hr
SEA BRAT #4 & No. 2 Fuel Oil (1:10)	Menidia beryllina	23.00 96-hr
	Mysidopsis bahia	18.00 48-hr
Reference Toxicant (DSS)	Menidia beryllina	1.14 96-hr
	Mysidopsis bahia	0.98 48-hr

### b. Effectiveness:

SWIRLING FLASK DISPERSANT EFFECTIVENESS TEST WITH SOUTH LOUISIANA (S/L) AND PRUDHOE BAY (P/B) CRUDE OIL

VENDOR LAB REPORT:

Oil	Effectiveness (%)
Prudhoe Bay Crude	53.55%
South Louisiana Crude	60.65%
Average of Prudhoe Bay and South Louisiana Crudes	57.10%

## VIII. MICROBIOLOGICAL ANALYSIS

NA

## IX. PHYSICAL PROPERTIES

- Flash Point, ASTM Method D56:  $\geq 200^{\circ}\text{F}$
- Pour Point, ASTM Method D97:  $4^{\circ}\text{F}$
- Viscosity (furol seconds): 380 at  $77^{\circ}\text{F}$
- Specific Gravity (g/cc): 0.994 at  $70^{\circ}\text{F}$
- pH: 9.45
- Surface Active Agents: Surfactants
- Solvents: Propylene glycol
- Additives: None
- Solubility: Soluble in all ratios.

**X. ANALYSIS FOR HEAVY METALS, CYANIDE, AND CHLORINATED HYDROCARBONS**

Compound	Concentration (ppm)
Arsenic	<0.05
Cadmium	<0.05
Chromium	<0.05
Copper	<0.05
Lead	<0.05
Mercury	<0.0002
Nickel	<0.05
Zinc	0.215
Cyanide	<0.05
Chlorinated Hydrocarbons	<0.05