

### 1. Chemical Description

EMULAM PE is a highly effective, concentrated primary emulsifier for invert emulsion muds.

### 2. Application

EMULAM PE produces a highly stable invert emulsion fluid with excellent emulsion stability, preferential wetting of solids by the continuous oil phase, filtration control and temperature stability. The oil phase may be diesel oil, mineral oil or any type of synthetic fluids; the water phase should be preferably be a calcium chloride brine.

EMULAM PE is extremely effective over a wide range of oil/water ratios and mud weights.

EMULAM PE helps to maintain high temperature, high pressure filtrate in a water free state.

EMULAM PE also improves the wettability by the oil of the solids dispersed in the invert emulsion mud.

EMULAM PE can be used over a wide temperature range as well as in the presence of most contaminants.

EMULAM SE is particularly suggested to be used as a secondary emulsifier for this system.

### 3. Treatment

Treatments can range from 1 to 10 lb/bbl (3-28kg/m<sup>3</sup>) depending on the type of oil, properties desired as well as other components of the system. Daily treatments of EMULAM PE will enhance the emulsion characteristics of these systems.

### 4. Typical Properties

Appearance:	dark liquid
Specific gravity:	0.88-0.93
Pour point:	< -5°C
Flash point:	>100°C

### 5. Packaging

55 US gal non-returnable iron drums, palletized, strapped and shrink wrapped  
(4 drums per pallet)

Warranty: This information is given in good faith and to best of our knowledge. Every user of the product is responsible as regards observation of all legal regulations including patent laws. Detailed information on handling, and eventual precautions to be observed in the use of the product can be found on our relevant Safety Data Sheet.