



P-EBA (DIESEL OIL)

CEMENTING SERVICE BULLETIN

11/29/90

P-EBA (PETROCHEM-EXTENDER BENTONITE ADDITIVE)

TECHNICAL DATA

P-EBA is mixed with water-free diesel oil to form a semisolid slurry for sealing zones of lost circulation. It is used where drilling muds containing fibrous, granular, or flaked materials have proved ineffective.

Very effective in vugular and cavernous type of lost circulation. More economical than Bengum slurry.

PROPERTIES

<u>PETROCHEM MATERIAL</u>	<u>FORM</u>	<u>COLOR</u>	<u>SP.GR.</u>	<u>BULK DENSITY</u>	<u>ABSOLUTE VOLUME</u>
P-EBA	Powder Pale	Yellow	2.65	60lb/ft ³	0:0453 gal/lb
DIESEL OIL	Liquid Pale	Yellow	0.824	----	----

SAFETY

Eyes: If eye contact occurs, wash eyes thoroughly with plenty of fresh water.

Skin: Material should have very little if any effect on skin. Wash skin with plenty of fresh water.

Inhalation: Avoid inhaling dust as much as possible.

Steps to be taken if materials are released or spilled: Sweep into waste container and/or vacuum the residue.

Waste Disposal: Bury in an approved sanitary landfill.



Effects of overexposure: No dangerous effect.

First-Aid

Treatment: Wash contacted skin with water - use soap if available. Wash eyes with plenty of fresh water, then apply neutral oil (castor or light mineral oil).

Weighing

and Storage: Store in a dry place and avoid contamination with other chemicals.

NORMAL RANGE OF USE IN WELLS

Depth: Surface to 10,000 ft (Surface to 3,048m) Temperature 60° to 230°F (15.6 to 110°C).

Concentration: A 10 bbl batch of BDO with a density of 11.0 lb/gal contains 7 bbls of diesel oil and 27 sacks (1001b) of P-EBA.

SPECIAL INFORMATION

1. Drain all water and mud from pumps and tanks. 2. Use diesel oil to thoroughly flush tub, mixer, pumps and tanks on all trucks. 3. Avoid contamination of BDO slurry with mud or water in suction lines and pumps.

EFFECTS ON CEMENT PROPERTIES

Not recommended for use in cementing oil wells.

RANGE OF USAGE

Usual mixture consists of 300 pounds of P-EBA per barrel of diesel oil. This slurry is mixed with mud in the hole at ratios varying from 3 bbl of BDO to 1 bbl mud up to 8 bbl of BDP to 1 bbl of mud. A common practice is to start the job at the 8:1 ratio and gradually decrease the ratio to 3:1 at the end of the squeeze.