



P-FLA/S CEMENTING SERVICE BULLETIN

PAGE 1 OF 1.

01/06/89

P-FLA/S (PETROCHEM - FLUID-LOSS ADDITIVE/SALT)

TECHNICAL DATA

P-FLA/S is a free flowing powdered fluid-loss control additive designed for cement slurries with 18 ° to 37 % salt by weight of water (Bwow). The salt in the slurry usually provides the necessary dispersion, however if additional dispersion is needed P-DISS (Petrochem-Dispersant For Salt Slurries) is to be used. The maximum effective temperature for P-FLA/S is below 140 deg.⁰F.

P-FLA/S can either be dry blended or pre-mixed in the mix water. At low temperatures P-FLA/S exhibits a retarding effect and the use of an accelerator (Calcium Chloride) should be used to reduce the WOC time without appreciable affecting the fluid-loss control. However, laboratory tests should be run before the job to confirm the cement design.

P-FLA/S is used in primary and squeeze cementing operations at concentrations of 0.5 To 1.0 Percent BWOC and will yield fluid-loss values from 140 to 80 cc /30 rains. respectively.

P-FLA/S is compatible with all API classes of cement and most cement additives. However, extended systems require a higher concentration of fluid-loss additive due to the diluting effect of the additional water used.

PROPERTIES

<u>PRODUCT</u>	<u>FORM</u>	<u>SP.GR.</u>	<u>PACKAGING</u>
P-FLA/S	White	1.68	50 Lb./Drum.

SAFETY:

Chemical goggles should be worn when handling P-FLA/S as it is considered a nuisance dust. If the product gets in the eyes, wash thoroughly with water for at least 15 miss. If irritation persists, seek medical attention. For skin contact, wash with soap and water, if irritation develops, see a doctor. Inhalation is not a sever problem, if overcome, move to fresh air. For more detail information see the material safety data sheet (MSDS).