



# Product Data Sheet

## Product Description

**Product Name:** ProFlush OBD-P  
**Chemical Name:** Cementing Pre-Flush  
**Company Name:** ARC Products Inc  
**Address:** 4010 La Reunion Parkway  
Suite 160  
Dallas, TX 75212  
**Telephone Number:** (214) 638-2468

## Product Applications

ProFlush OBD-P is a powdered pre-flush that was designed to simultaneously wet formation surfaces and help remove oil based drilling muds as preparation for the next step of the cementing process. OBD-P disperses quickly into water and does not clump or gel, causing no problems during pumping.

ProFlush OBD-P is pumped ahead of the cement to separate it from oil based drilling muds. When pumped ahead of the cement ProFlush, OBD-P will leave downhole surfaces water wet and remove drilling mud residue, which can result in an improvement in the quality of bond between cement, casing, and the formation.

ProFlush OBD-P should be compatible with all oil based muds and cement slurries but if uncertain test for compatibility before using the product. ProFlush OBD-P should be compatible with nonionic and anionic compounds.

## Typical Properties

<b>Appearance</b>	Tan powder
<b>pH, (neat)</b>	8.0 - 10.0
<b>Density (lbs/ft<sup>3</sup>)</b>	51.0
<b>Specific gravity</b>	1.70

## Storage and Handling

**Storage** Make sure that partial bags are tightly sealed because the product is slightly hygroscopic.

**Handling** Use appropriate personal protective equipment when working with ProFlush OBD-P. Do not get into eyes, on skin, ingest or inhale dust generated during the use of the product. Try to prevent the generation of dust

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during use of the product. Make sure that proper ventilation and eye washes/safety showers are present in the immediate work area. Do not flush product into the sewer system.

## Product Performance

Using a 13.5 ppg OBM a series of rinse off and compatibility tests were conducted using ProFlush OBD-P:

<u>ProFlush OBD-P, %w/w</u>	<u>Viscosity @ 180°F,</u> <u>cps</u>	<u>Rinse off @ 180°F,</u> <u>%</u>	<u>ProFlush OBD-P, lbs per barrel</u>
3.0	7	Not Tested	10.50
2.5	7.2	Not Tested	8.75
2.0	21	Not Tested	7.00
1.5		92	5.25
1.0		92	3.50

Compatibility and rinse off testing was conducted at a 1:1 ratio of mud to pre-flush solution.