



Liquid Microsilica

Product Data

MS-1L is a high surface area liquid additive designed to eliminate gas migration and additionally prevent free water, decrease fluid loss, increase cement bonding strength, and prevent cement strength retrogression in ambient to HPHT conditions. MS-1L additionally aids in cement stabilization during setting periods by eliminating cement settling. MS-1L is most often used as a gas migration control additive, free water control additive, and cement extender.

MS-1 is compatible with most cementing additives and functions at bottomhole circulating temperatures (BHCTs) of ambient to 500°F (260°C). VC-AGIL is extremely effective when added in conjunction with GMA-614 (anti-gas migration/free-water control stabilized liquid latex additive) and is extremely compatible with other additives in the CPI product line.

Recommended Treatment

MS-1L is recommended to be added at a typical loading of 0.2-1.0 L/sc of cement.

Advantages & Benefits

- Improved both liquid filtration and gas migration control.
- Improved bonding strength to the casing and any water wet surface.
- Eliminates free water and cement settling.
- Prevents cement strength retrogression in high temperature conditions.
- Used as an extender for cement.
- Resistance to acids and corrosive fluids.
- MS-1L is extremely effective when added in conjunction with GMA-614(anti-gas migration/free-water additive)
- Superior solids suspension properties
- Compatible with current Valor dispersants, defoamers and retarders.
- Functions at bottomhole circulating temperatures (BHCTs) of ambient to 500°F (260°C).
- Useful in a variety of slurries, including light slurries, slurries with retarders, slurries with high yield points, salt-saturated slurries, and secondary latex slurries.

Application	Material Properties
Description	MS-1L is a high surface area additive designed to eliminate gas migration and additionally prevent free water, decrease fluid loss, increase cement bonding strength, and prevent cement strength retrogression in ambient to HPHT conditions. (Tested up to 500°F (260°C)).
Form	White to Gray Liquid
Specific Gravity	1.40-1.60

Cementing Products Inc. does not make, and expressly disclaims, all warranties, including warranties of merchantability or suitability for a particular purpose, regardless of whether oral or written, expressed or implied, or allegedly arising from any usage and/or misuse of any trade or from any course of dealing in connection with the use of the information presented herein or the product itself. Prior to application of this product, the user is hereby informed and warned to make their own assessment of the safety and applicability of the product for the specific use or application, and is further cautioned against relying on the information contained herein as it may relate to any specific use or application. It is the final responsibility of the user to ensure that the product is suitable and the information is applicable to the user's specific application. The user expressly assumes all risk and liability in connection with the use of the information presented herein or the product itself.