

Adding value to your products - worldwide



KURARAY POVAL™, EXCEVAL™, ELVANOL™ and MOWIFLEX™ are the trademarks for polyvinyl alcohols made by Kuraray. Their key characteristics – outstanding film-forming properties and high binding strength – add real value to your products. Our polymers are water-soluble, highly reactive, crosslinkable and foamable. They have high pigment binding capacity, protective colloid characteristics and thickening effects. The physical and chemical properties of KURARAY POVAL™ make it ideal for a wide variety of applications, ranging from adhesives through paper and ceramics to packaging

films. Many of our polymers are food contact-approved and thus suitable for food applications. Ecologically KURARAY POVAL™ is advantageous due to its biodegradability and the fact that combustion does not generate residues. It is available in various particle sizes from granules to fine powders. Kuraray produces its wide range of KURARAY POVAL™ grades in Japan, Singapore, Germany and the USA. Kuraray's global production and service network make us your partner of choice for innovative high-quality PVOH resins. **KURARAY - Here to Innovate.**

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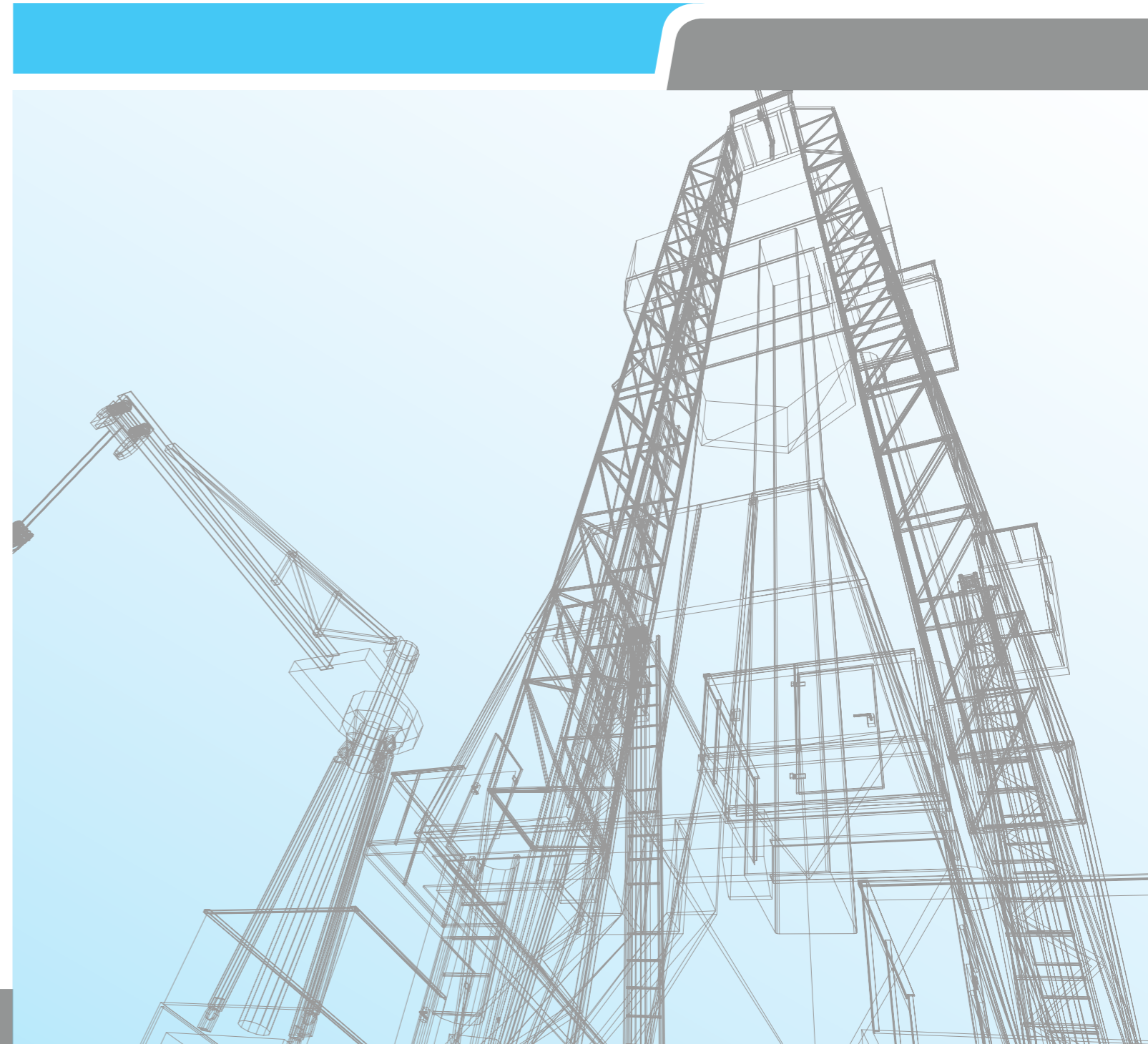
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POLY LOC™ Diverting Agent



POLY LOC™

POLY LOC™ is an effective chemical diverting agent capable of providing a temporary diversion to enhance stimulation of the perforation clusters in the targeted zones in a wellbore.

POLY LOC™ is a class of water-soluble diverting agents and as a result, dissolve quickly to reduce the non-productive time without the need to add acid.

Some of the features of POLY LOC™

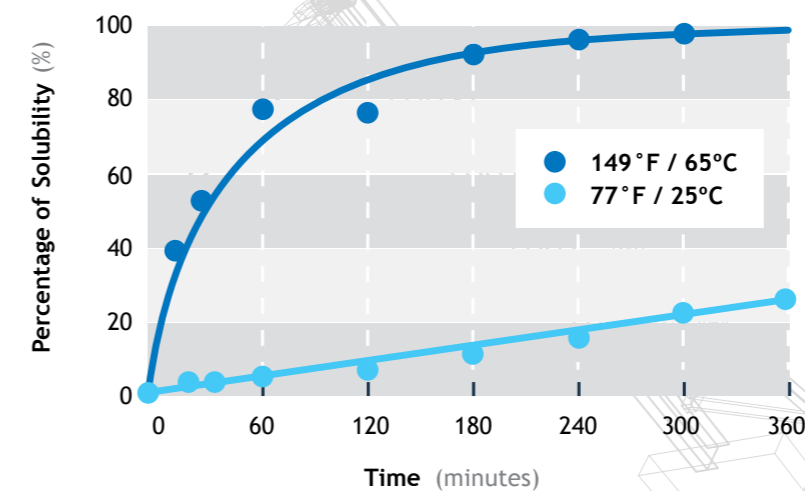
- ✓ Water-soluble regardless of pH
- ✓ Will not re-solidify once dissolved
- ✓ Temperature range between 70°F (20°C) and 220°F (104°C)
- ✓ Wide particle-size distribution
- ✓ Compatible with most fracturing chemicals
- ✓ Composed of a non-toxic base material
- ✓ Does not contain corrosive elements such as halogens
- ✓ Granular asymmetrical free flowing solid

Physical properties of POLY LOC™ M01-2

POLY LOC™ M 01-2

Form	White granular solid
Specific gravity	1.1 - 1.3
pH	5.0 - 9.0
Particle size	Under 6 US Mesh
Temperature of operation	70°F - 220°F (20°C - 104°C)

Solubility of POLY LOC™ M01-2



Column slot test of POLY LOC™ M 01-2

- ✓ Wide particle-size distribution enables superior bridging
- ✓ Retains approximately 86% of the fluid at 200 psi for 15 sec.

