

## Bentley Premium Solvent

Bentley Premium solvent is a blend of versatile aprotic and aromatic solvents, as well as a unique blend of demulsifying and surfactants chemistries, capable of dispersing paraffins, asphaltenes, and breaking emulsions. It is custom designed to be the absolute most effective paraffin solvent available, and is designed for remediation of organic deposits which are resistant to more traditional solvents. Some examples of these solids might be high melting point waxes, or dessicated paraffins. The combination of chemistries create a unique synergistic effect, working together to provide the most effective treatment possible, under a broad range of physical conditions. As well as being an excellent solvent for organic deposits, Bentley Premium solvent has the ability to break apart emulsions which have formed as a result of these deposits. It has the ability to dissolve stabilizing compounds, as well as the ability to disperse the constituent phases back into solution, effectively neutralizing many types of emulsion.



Bentley Premium Solvent can be utilized in any well experiencing plugging or impairment as a result of wax or asphaltene precipitation, or as a result of emulsion formation in either the well itself, or in the near wellbore reservoir area.

## Applications:

- 1) Removal of organic blockage in the wellbore and in the reservoir itself as a stimulation treatment
- 2) Can be used in conjunction with acid treatments, such as Sage's SAS packages, in order to remove organic deposits which would prevent sufficient contact between rock or scales and the acid itself. This greatly enhances the treatment efficacy.
- 3) As part of regular maintenance packages for problem areas  
The typical treating volumes required can range from between 0.5 to 1 m<sup>3</sup> per linear meter of perforations. The volumes required can vary based on the severity of the issues, and recommendations can be made by Sage technical staff as to what volumes may be required.

## Properties:

Physical State..... Liquid  
Flash Point..... 28°C  
Density..... 0.8-0.9  
Pour Point..... -54°C

## Advantages:

- 1) Excellent at breaking organic stabilized emulsions
- 2) Very compatible with almost all formation fluids
- 3) Provides desirable formation wettability
- 4) Excellent general purpose solvent

## Disadvantages:

1. Relatively low flash point: it is recommended that fire prevention measures be taken during pumping operations  
Handling Precautions
  - 1) Bentley Premium Solvent can be supplied in bulk or in drums
  - 2) Bentley Premium is flammable. Avoid ignition sources, as well as contact with the water and skin., Should contact occur, please consult the MSDS for specifics