

BreaSol: Asphaltene Solvent

Breasol is a blend of esterified and aromatic solvents, as well as a unique mixture of demulsifying and surfactants chemistries, capable of dispersing paraffins, asphaltenes, and of breaking emulsions. It is custom designed to be the most effective asphaltene solvent available. 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 asphaltene deposits, Breasol 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.

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



Breasol can be used for these applications:

- 1) Removal of asphaltene blockage in the wellbore and in the reservoir itself
- 2) Can be used in conjunction with acid treatments, such as Sage's acid 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 efficiency.
- 3) As part of regular maintenance packages for problem areas or as a stimulation treatment
The typical treating volumes required can range from between 0.25 to 1 m³ 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..... 0.84
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) Breasol can be supplied in bulk or in drums
 - 2) Breasol is flammable. Avoid ignition sources, as well as contact with the water and skin., Should contact occur, please consult the MSDS for specifics