

Technical Data Sheet

PRODUCT DESCRIPTION

Asphaltene is the material present in petroleum that is insoluble in n-paraffins but soluble in aromatic solvents. It is said to be among the least understood deposits, yet the most problematic since it is the main cause of catalyst deactivation and sediment formation. The oil industry has defined these materials mostly on an operation basis rather than an actual chemical structure, and is mostly known through its solubility. Asphaltene is almost always found in association with paraffin wax when they are retrieved from wells, storage tanks, or pipelines. Studies show that the amount of asphaltene precipitation decreases as the number of carbons forming straight chain paraffins increases, in other words, treatment of paraffin wax could escalate the precipitation of heavier, problematic asphaltene compound. Then, as the petroleum becomes heavier, the content and complexity of asphaltenes present in it increases considerably as well. Therefore, treatment of paraffin and asphaltene deposition must both be considered because one can have a considerable effect on the other.

Our Asphaltene solutions

Asphaltene inhibitors prevent the aggregation of asphaltene molecules so the chemical treatment could be as an injection into the wellbore. Asphaltene inhibitors also commonly work as asphaltene dispersants (ADs), thereby dispersing ready-formed asphaltene agglomerates. Therefore, the treatment products will also perform when injected into pipelines and will improve crude oil transportation.

APPLICATION

Flow Assurance chemicals

Product
PRIM D-A 3100

Function
Asphaltene dispersant

General recommendations

- Shake the additive bottles vigorously to ensure the contact with crude oil.
- 1000 ppm of PRIM D-A 3100 is required for treatment of heavy crude oil

Important Note: These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and method of use of our product are beyond our control. We recommend that the prospective user determine the suitability of our material and suggestions before adopting them on a commercial scale.