

PRODUCT DATA SHEET

SO-CHEM P - 103 PARAFFIN / ASPHALTENE DISPERSANT

GENERAL DESCRIPTION

SO-CHEM P-103 PARAFFIN / ASPHALTENE DISPERSANT is an oil soluble, water dispersible, product used to mitigate problems associated with Asphaltene and paraffin deposition both in downhole and surface equipment. It is a blend of various surfactants and penetrants combined in selective hydrocarbon solvents.

SO-CHEM P-103 Paraffin / Asphaltene Dispersant is most effective in preventing Paraffin and Asphaltene accumulations. It improves the solubility of the Paraffin deposits and facilitates their dispersion in the crude and maintain these deposits by keeps them in a dispersed state.

Due to its surface - active properties, this product is capable of penetrating Asphaltene deposits which normally tend to accumulate at the well bore and at the oil water interface in tanks and dispersing them into the oil.

It is critically important that the deleterious effects of Paraffin and Asphaltene deposits are eliminated. These deposits negatively affect the flow assurance in wells and impacts on the overall dehydration process in achieving pipeline quality crude.

RECOMMENDED USES

SO-CHEM P-103 Paraffin / Asphaltene Dispersant is recommended for use in the following applications:

1. Down-hole Paraffin/ Asphaltene deposition.
2. Well-head Paraffin/ Asphaltene deposition.
3. Flowline Paraffin/ Asphaltene deposition.
4. Well stimulation by removal of emulsion blocks.
5. Treatment of tank bottoms.

SOUTHERN CHEMICALS LIMITED

1 - 2 Tarran Industrial Estate La Romain

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APPLICATION

SO-CHEM P-103 Paraffin / Asphaltene Dispersant can be used either continuously or batch treated depending on the severity or location of the problem. However, continuous injection to keep the system clean is the preferred method.

A continuous treatment program would consist of adding 500 - 1000 ppm **SO-CHEM P-103 Paraffin / Asphaltene Dispersant** to the system until it is cleaned and then optimizing the dosage rate to maintain it cleanness. Optimized dosage rate is usually in the range of 100ppm- 500 ppm.

A typical batch treatment for Paraffin and Asphaltene removal would consist of 5 - 15 gallons per day down the annulus. The product can be mixed with hydrocarbon, or solvents (Kerosene, diesel). This mixture can be pumped down with a slug of fluid or by circulating the well after treatment.

Laboratory analysis will determine the quantity of chemical, frequency of chemical treatment and method of application. It is recommended that for maximum effectiveness, treatments should be programmed on a fixed schedule.

So-Chem technical personnel can advise on treatment strategy and application volumes.

TYPICAL PHYSICAL PROPERTIES:

Specific Gravity	- 0.9245
Flash Point	- 62 ° C/ 143.6 ° F
Viscosity@70 ° F	- 16.13 CPS @ 70° F
PH	- 7.57
Solubility	- Oil Soluble
Appearance	- Yellow- Brown Liquid

HANDLING:

SO-CHEM P-103 Paraffin / Asphaltene Dispersant will not present significant problems during handling. Normal precautions (including the use of appropriate PPE) for handling industrial chemicals should be observed.

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AVAILABILITY:

SO-CHEM P-103 Paraffin / Asphaltene Dispersant is available in 55 gallon drums or 275 gall tote tanks from Southern Chemicals Limited, #2 Tarran Industrial Estate, La Romain, San Fernando.

REVIEW:

This Product Data Sheet shall be reviewed as necessary.

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