

N2S-PLC-0541

PIPELINE PIGGING CHEMICAL

PIPELINE CLEANER: WATER-SOLUBLE SURFACTANTS

PRODUCT INFORMATION

N2S-PLC-0541 is a water-soluble pipeline cleaner designed for applications ranging from new construction commissioning to midstream remediation. Formulated with a synergistic blend of nonionic surfactants and sulfonates, N2S-PLC-0541 serves as both a high-efficiency wetting agent and dispersant, delivering powerful cleaning performance in flowlines and pipelines. This chemistry targets and removes solid fouling, paraffin buildup, and hydrocarbon sludge that can compromise flow assurance and operational efficiency. In midstream assets, a recurring and costly challenge is black powder—a corrosive mix of iron sulfide, iron oxide, scale, and hydrocarbon fines. Left unchecked, black powder accelerates equipment wear, damages pumps, plugs metering systems, and drives up pressure drop, all of which increase operational risk and maintenance costs. N2S-PLC-0541 combats these issues by reducing interfacial tension between deposits and the pipe wall, enabling effective lifting, dispersion, and removal of contaminants during pigging or fluid displacement. Its water-soluble formulation is ideal for systems where oil-soluble chemistries are incompatible or less effective, such as in multiphase lines with high water cut. By keeping solids suspended, N2S-PLC-0541 prevents re-deposition, maximizes mechanical cleaning efficiency, and supports cleaner, more reliable pipeline operations. This makes it especially valuable in assets prone to wax fallback, iron fouling, intermittent flow, or water-dominated production environments, where untreated deposits can result in reduced throughput and costly unplanned interventions.

PHYSICAL PROPERTIES

Appearance: Liquid
Specific Gravity: 0.900-1.05
Flash Point: Closed Cup: < 60 °C



STORAGE & HANDLING

Keep container closed. Follow safe warehousing practices. Handle as an industrial chemical, wearing protective equipment and observing the precautions as described in the Safety Data Sheet (SDS).

KEY BENEFITS

- New Construction Pipeline Cleaner
- Disperses Black Powder
- Enhances Pigging
- Prevents Deposition
- Boosts Flow Assurance

APPLICATION

N2S-PLC-0541 should be applied to the pipeline by batch treatment during pig runs. The required volume for effective treatment is dependent on the quantity of contaminants suspended in the pipeline. Batch cleaning should be monthly or quarterly, depending on solids accumulation.



LOCATIONS

113 Liberty Ave., Lafayette, LA 70508 (Corporate)
1080 Forum Dr., Broussard, LA 70518
205 E. Wallisville Rd., Highlands, TX 77562
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CONTACT

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