

COASTAL CHEMICAL
A BRENNTAG GROUP COMPANY

# PARAFFIN & ASPHALTENE MITIGATION

## ABOUT US

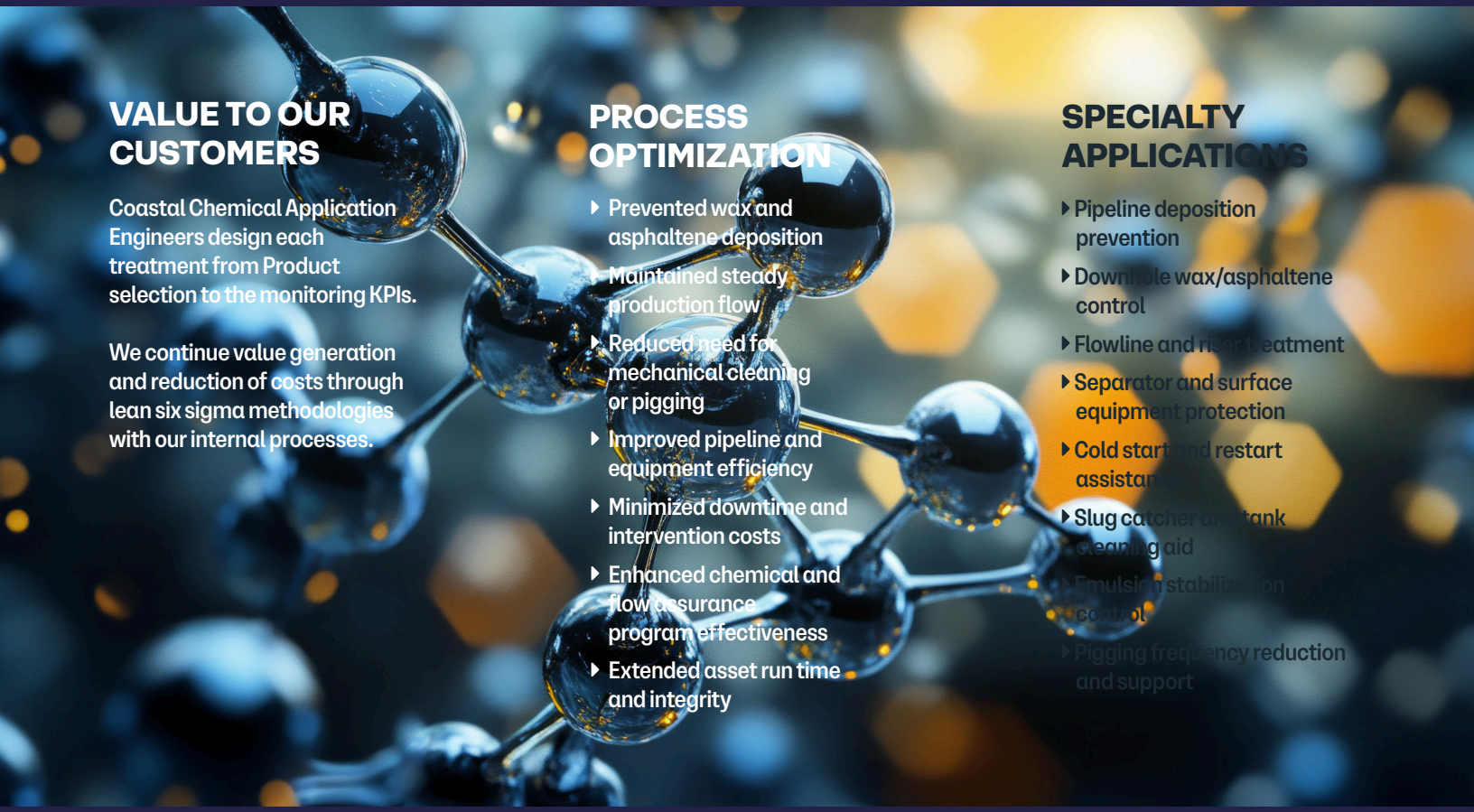
In managing paraffin and asphaltene deposition, various parameters are considered to develop the most efficient and economical treatment program. Coastal's chemical strategy for wax and asphaltene control is designed to specifically address:

- Prevention and remediation of paraffin and asphaltene buildup in flowlines, tubing, separators, and storage tanks
- Enhancement of flow assurance and reduction of pressure drops in production systems
- Selection and application of dispersants, solvents, and crystal modifiers based on crude composition and operating conditions
- Compatibility with production fluids, materials, and other treatment chemicals
- Integration with thermal, mechanical, and pigging strategies for deposit management
- Support for field monitoring and diagnostics (e.g., deposit analysis, paraffin tests, microscopy)
- Compliance with environmental regulations and safe handling guidelines for chemical treatments
- Utilization of advanced chemical technologies tailored for heavy oils, waxy crudes, and unstable blends

# PARAFFIN & ASPHALTENES

We offer a comprehensive portfolio of solutions to meet a wide range of operational needs. However, the products that best represent our core strengths and deliver the most value are highlighted in the table below. These key products reflect our most reliable, proven, and widely used formulations.

| Chemical Name | Target Issue | Crude Type | System Environment | Best For | Treatment Method |
|---|---|---|---|---|---|
| **Paraffin Inhibitors (Crystal Modifiers)** | Paraffin Wax Deposition | Light to Medium Wax Crudes | Downhole, Flowlines, ESPs | Modifying wax crystal structure to reduce deposition | Continuous Injection |
| **Paraffin Dispersants** | Deposited Paraffin Solids | Medium to Heavy Crudes | Surface Lines, Separators | Dispersing and suspending existing paraffin solids | Batch or Pigging Additive |
| **Asphaltene Inhibitors (Polymeric/Amide/ Resin-based)** | Asphaltene Precipitation | Medium to Heavy Crude | Reservoir, Tubing, Flowlines | Preventing flocculation and deposition of asphaltenes | Continuous Injection |
| **Asphaltene Dispersants (Aromatic-based)** | Deposited Asphaltenes | Medium to Heavy Crude | Flowlines, Separators, Tank Bottoms | Mobilizing already-precipitated asphaltene solids | Batch, Circulation, Wash |
| **Solvent-Surfactant Blends** | Mixed Organic Deposits | High Wax or High Asphaltene | Slug Catchers, Facilities | Removal of wax/ asphaltene blends, flowline remediation | Batch Cleanout |
| **Thermal Synergists (with chemicals)** | Paraffin + Asphaltene Combo | High Pour Point Crudes | Cold Wells, Deepwater | Combined wax/ asphaltene control where heat is limited | Engineered Treatment |
| **Hybrid Inhibitor/ Dispersant Packages** | Mixed Deposition | Variable (blended crude) | Multiphase Flow, Subsea Systems | Integrated protection in unstable or extreme environments | Custom Continuous Program |



## VALUE TO OUR CUSTOMERS

Coastal Chemical Application Engineers design each treatment from Product selection to the monitoring KPIs.

We continue value generation and reduction of costs through lean six sigma methodologies with our internal processes.

## PROCESS OPTIMIZATION

- Prevented wax and asphaltene deposition
- Maintained steady production flow
- Reduced need for mechanical cleaning or pigging
- Improved pipeline and equipment efficiency
- Minimized downtime and intervention costs
- Enhanced chemical and flow assurance program effectiveness
- Extended asset run time and integrity

## SPECIALTY APPLICATIONS

- Pipeline deposition prevention
- Downhole wax/asphaltene control
- Flowline and riser treatment
- Separator and surface equipment protection
- Cold start and restart assistance
- Slug catcher and tank cleaning aid
- Emulsion stabilization control
- Pigging frequency reduction and support

**Contact Coastal Chemical today and get the Energy LEADER on your side.**


**Sales Office**
377-261-0796

**Customer Service**
800-456-3696

**Email**
CoastalCSRS@Brenntag.com

**coastalchem.com**