

COASTAL CHEMICAL
A BRENNTAG GROUP COMPANY

UMBILAGUARD™
DEEPWATER

ABOUT US

In deepwater oil and gas operations, extreme conditions require specialized chemical programs developed to be both effective and economical. Coastal's chemical strategy for deepwater applications is designed to specifically address:

- Reliable flow assurance in high-pressure, low-temperature environments prone to hydrates, wax, and asphaltene formation
- Corrosion protection for long subsea tiebacks and complex metallurgy under harsh operating conditions
- Scale prevention and control in high-TDS, high-enthalpy produced fluids
- Microbial control for systems with long residence times and limited intervention access
- Compatibility with subsea chemical injection systems, umbilicals, and topside facilities
- Deployment of low-dosage and thermally stable chemistries (e.g., LDHI, high-temp corrosion inhibitors, subsea-qualified scale inhibitors)
- Integration with real-time monitoring tools and digital surveillance for remote diagnostics and optimization
- Strict adherence to environmental regulations, particularly for offshore discharges and chemical persistence/biodegradability
- Field-proven technologies tailored for long-term reliability and minimal intervention requirements

UMBILAGUARD™ PRODUCT LINE

Chemical Name	Target Issue	Application Area	Conditions Addressed	Best For	Treatment Method
UBG-122 UBG-121	Hydrate Plug Prevention	Subsea Flowlines, Tiebacks	Low Temp, High Pressure, Long Offsets	Addressing hydrate plugging risk with minimal injection volume	Continuous Injection or shut in / restart
FM-1	Hydrate Suppression	Flowlines, Startups, Blowdowns	Cold Shut-in, Restart Scenarios	Emergency hydrate suppression or batch treatment	Batch, Continuous
UBG-402	Corrosion Control	Wells, Pipelines, Subsea Equipment	CO_2/H_2S-rich systems, Long Exposure Times	CO_2-dominated or mixed corrosion environments	Continuous or Batch
UBG-501	Scale Prevention	Downhole, Subsea Valves, Jumpers	High TDS, HPHT Systems	Preventing sulfate and carbonate scales in brines	Squeeze, Continuous Injection
UBG-201 UBG-202	Wax Deposition	Subsea Pipelines, Cold Wells	Low Temperature Flow	Modifying wax crystals to keep flowlines clean	Continuous or Intermittent
UBG-303	Asphaltene Precipitation	Long Tiebacks, Subsea Wells	Pressure Drop Induced Instability	Maintaining flow from unstable or blended crudes	Continuous
UBG-302 UBG-602	Paraffin/ Asphaltene Scale/Corrosion	Complex Production Systems	Scale / Corrosion	Integrated prevention under changing conditions	Engineered Program

VALUE TO OUR CUSTOMERS

Coastal Chemical Application Engineers design each [illegible] 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

- Ensured reliable flow assurance under extreme conditions
- Minimized hydrate [illegible] and corrosion risks
- Enabled long-distance tieback production
- Reduced intervention and remediation costs
- Improved chemical efficiency at low dosage rates
- Enhanced equipment and system integrity
- Supported safe and continuous deepwater operations

SPECIALTY APPLICATIONS

- Hydrate prevention in long subsea tiebacks
- Wax and asphaltene control in cold environments
- Corrosion inhibition under HPHT conditions
- Scale prevention in high-salinity brines
- Biocide treatment for water injection systems
- Foam control in subsea separation units
- Flow assurance in multiphase systems
- Compatibility with MEG/ methanol recovery systems

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