

COASTAL CHEMICAL
A BRENNTAG GROUP COMPANY

HYDRATES
MITIGATION

ABOUT US

In managing hydrate formation or plugging in oil and gas systems, various parameters are considered to develop the most efficient and economical treatment program. Coastal's chemical strategy for hydrate control is designed to specifically address:

- Prevention of gas hydrate formation in flowlines, wellbores, and processing equipment under high-pressure, low-temperature conditions
- Application of both thermodynamic inhibitors (e.g., methanol, MEG) and low-dosage hydrate inhibitors (LDHIs) such as kinetic and anti-agglomerant types
- Optimization of dosage and injection points to ensure reliable flow assurance without overdosing
- Compatibility with gas composition, water content, and other production chemicals
- Integration with thermal management, insulation, and depressurization strategies
- Monitoring and modeling of hydrate risk using field data and simulation tools
- Compliance with environmental regulations for chemical use, recovery, and discharge, especially offshore
- Deployment of advanced hydrate inhibitor technologies tailored for deepwater, subsea, and marginal field operations

HYDRATES

Chemical Name	Hydrate Control Method	Application Environment	Fluid Type	Best For	Treatment Method
FM-1	Shifts Hydrate Formation Conditions	Subsea, Deepwater, Flowlines	Wet Gas, Condensate, Oil	Preventing hydrate formation at your system conditions	Continuous or Batch Injection
UBG-122 UBG-121	Anti-Agglomeration / Continued Flow and Production	Deepwater, Tiebacks, Long Flowlines Harsh Flow Assurance Conditions	Multiphase (Gas + Liquids) Variable (Oil + Gas + Water)	Preventing hydrate plugging via effective hydrate dispersion and continued flow Fields with changing water cuts and flow regimes	Continuous Injection or shut in / restrart
HI-111 HI-144	Delays Nucleation / Slows hydrate crystal growth	Pipelines, Wells	Water + Gas Phase	Wide range of water cuts at moderate subcooling	Continuous, Low-Dose

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 hydrate blockages in flowlines and wells
- Maintained uninterrupted production flow
- Reduced need for unplanned shutdowns and depressurizations
- Minimized risk during cold starts and restarts
- Lowered chemical and intervention costs
- Improved flow assurance in deepwater and subsea systems
- Enhanced safety and operational reliability

SPECIALTY APPLICATIONS

- Flowline hydrate prevention
- Subsea well and manifold protection
- Cold start and restart management
- Tieback flow assurance
- Downhole hydrate control
- Emergency hydrate remediation
- Low-dosage continuous injection systems
- Hydrate suppression in gas-dominant systems

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

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