FOAMSTOP 5025 Low Catalyst Impact defoamer

Applications

- Refining operations
- Petrochemical processes
- Delayed cokers
- Visbreakers
- Crude unit atmospheric and vacuum towers
- Pre-flash towers
- Solvent de-asphalting

Features and Benefits

- Excellent foam control agent
- Fast, effective control of foam
- Easy to Handle
- Excellent thermal stability for high temperature applications
  - Persistent in coke drums
- Reduced silicon contamination of coker liquid products
  - Less silicon poisoning of HDS catalysts
  - Reduces unscheduled catalyst bed changes

Baker Hughes **FOAMSTOP 5025 LCI™ defoamer** is designed to control foam in refinery and petrochemical processes. The product is a blend of high molecular weight silicone oil plus a non-PDMS defoamer delivered in kerosene. The product exhibits excellent thermal stability in high temperature applications.

FOAMSTOP 5025 LCI controls foaming in delayed cokers, thermal crackers, crude unit flash drums, crude unit atmospheric and vacuum towers and gas oil separators.

The product should be injected upstream of the foaming area. For delayed cokers, the product should be injected into the top of the coke drums with a suitable carrier at a minimum of 50:1 carrier to product. Effective dose rates are dependent on operating conditions, fluid properties and the severity of foaming. Contact Baker Hughes technical services for application datails.

Typical properties	
General appearance	Colorless liquid
Specific gravity at 60˚F (15.6˚C)	0.83
Typical density at 60˚F (15.6˚C)	6.90 lbs/US gal (843 kg/m^3)
Flash point	119˚F (48.5˚C)
Pour point	<-45˚F (<-43˚C)
Viscosity	
at 60˚F (15.6˚C)	164 cP
at 40˚F (4.4˚C)	207 Cp
at 30˚F (-1˚C)	236 cp
at 0˚F (-18˚C)	370 cp

Materials compatibility

Suitable:

Metals:	Aluminum, admiralty brass, copper, mild steel, 304 stainless steel, 316 stainless steel
Plastics:	HD polyethylene, HD polypropylene, PVC, TEFLON®
Elastomers:	VITON®

Not Suitable:

Plastics:	Linear polyethyllene
Elastomers:	Buna N, Neoprene, CSM, EDPM

Materials suitability is based on analysis of test results obtained under specified laboratory conditions. All materials selection should be based on actual application. Testing results for materials will be made available on request.

Suitability criteria:

Metals:	*< 1.0 MPY loss*
Plastics:	*<10% weight change*
Elastomers:	*<10% weight change*

Safety and handling

Before handling, storage, or use, review the Safety Data Sheet (SDS) for guidance.