

LIFESPAN 3121 refinery antifoulant

Control fouling, extend run length, and reduce CO₂ emissions

Applications

- Refinery process
- Effective antifoulant for crude unit hot train exchangers, HDS feed/effluent exchangers, and FCC slurry exchangers
- Asphaltene dispersant
- Heavy Canadian and opportunity crudes

Features and Benefits

- Excellent fouling control
 - Maintains clean heat exchanger surfaces
 - Reduces downtime and lost production
 - Minimizes energy costs
- Dispersant for organic foulants
 - Controls deposition of asphaltenes
 - Extends unit run length
- Low temperature handling properties
 - Can be stored in unheated additive
 - Does not require special injection equipment treatment plant

The **LIFESPAN™ 3121 antifoulant** from Baker Hughes is an oil soluble antifoulant designed for crude unit hot preheat, hydrotreater feed/effluent, and FCCU slurry heat exchangers. The additive will effectively disperse organic and inorganic contaminants that are formed or are present in the process stream. This product is especially effective for controlling fouling caused by destabilized asphaltenes.

Effective dosage rates are dependent upon operational conditions and severity of fouling. For maximum benefit, product application should begin immediately after equipment is cleaned. Injection to previously fouled systems can possibly slow or stop additional fouling. Contact the technical support group for dosage and application details.

Typical properties

Specific gravity at 61°F (15.6°C)	0.9119
Typical density at 61°F (15.6°C)	7.59 lbm/US gal (909.482 kg/m ³)
Flash point, SFCC	134.6°F (57°C)
Pour point	-35°F (-37.22°C)
Viscosity dynamic at 61°F (15.6°C)	4.4 cP

Materials compatibility

Suitable

- Metals: Admiralty brass, aluminum, copper, mild steel, 304 stainless steel, 316 stainless steel
- Plastics: Polyethylene HD, polypropylene HD, TEFLON®
- Elastomers: VITON®

Not suitable

- Plastics: Polyethylene linear, PVC
- Elastomers: Buna N, neoprene, CSM, EPDM

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.

Safety and handling

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