

BPR44865R1 solids settling aid

Effective solids removal

Applications

- Bunker fuels
- Heavy oils
- FCC slurry oils
- Residual fuel components

Features and Benefits

- Effective solids and ash removal
 - Increases the economic value of the fuel oil
 - Permits clean burning of the de-ashed fuel oil
 - Aids residual fuels in meeting ISO8217 specifications (ash, Al, Si)
- Excellent handling properties
 - Disperses easily in the hydrocarbon system
 - Has minimal storage and pumping requirements

Baker Hughes **BPR 44865R1 solids settling aid** is a complex organic oil-soluble compound formulated specifically to enhance solids settling in heavy oils. This additive is used to treat heavy fuel oils, bunker fuels, and residual fuel blend components, such as fluid catalytic cracking (FCC) slurry oils to enhance removal of ash, aluminium and silica to meet ISO8217 specifications. The product should be applied when oil stream temperature is below 350°F (177°C).

BPR 44865R1 effective dosage can vary significantly depending upon stream characteristics and other process configuration particulars. Work with Baker Hughes technical services to determine appropriate application details.

Typical properties

Appearance	Clear yellow liquid
Specific gravity at 60°F (15.6°C)	0.94
Density at 60°F (15.6°C)	7.83 lbs/US gal (940 kg/m ³)
Flash point (SFCC)	140°F (60°C)
Pour point	<-50°F (<-46°C)
Viscosity at 60°F (15.6°C)	53 cP

Materials compatibility

Suitable:

Metals:	Admiralty brass, 304 stainless steel, 316 stainless steel
Plastics:	TEFLON®, HD polyethylene, HD polypropylene
Elastomers:	VITON®

Not Suitable:

Metals:	Aluminum, copper, mild steel
Plastics:	PVC, linear polyethylene
Elastomers:	Buna N, CSM, EDPM, Neoprene

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. **This product is sensitive to water contact in storage tanks and will form a gel.** Once in the operating unit, the product will partition to the oil phase and low concentrations of water are non-problematic.