BPR27210 desalting aid

Designed for resolving emulsions in refinery desalting

Applications

- Desalting operations
- Mud-wash application
- Refinery operations

Features and Benefits

- Excellent surfactant properties
  - De-oils and water-wets solids for more complete transfer and removal with the water phase
  - Assists oil soluble desalting aid in eliminating interface buildup
  - Reduces iron and inorganic solids carryover from the desalter
  - Optimizes desalter efficiency
  - Improves energy savings
- No metals or halogens in formulation
  - Decreases fouling in crude preheat and subsequent refinery operations
  - Offers outstanding cost performance
  - Will not poison catalyst in process equipment
- Mud-wash application
  - Provides oil-free effluent water
  - Maintains a cleaner desalting vessel
- Good handling characteristics
  - Has minimal storage and pumping requirements
  - Works well in many locations

The Baker Hughes **BPR27210** desalting aid is a water-soluble blend of surface-active agents designed to de-oil and water-wet filterable solids in the refinery desalting process.

This product is used in combination with an oil soluble desalting demulsifier. It shoud be continuously added by means of a positive displacement pump into the desalter wash water. BPR27210 effectively water-wets oil-coated contaminants such as iron sulfide, slicieous materials, and dirt and transfers them to the water phase for improved removal.

BPR27210 desalting aid can be continuously injected into the mud-wash system to remove accumulated oil coated solids from the bottom of the desalting vessel. Typical range for this application based on experience is 50-100 ppm based on the volume of the mud-wash flow.

Typical properties	
General appearance	Light Amber
Specific gravity at 60°F (16°C)	0.984
Typical density at 60°F (16°C)	8.2 lb/US gal (982.5 kg/m^3)
Flah point, SFCC	83.8°F (28.8°C)
Pour point, ASTM D-5950	<-40°F (<-40°C)
Solubility	Hydrocarbon
Viscosity dynamic at 71.6°F (22°C)	65 cPS

Your Baker Hughes representative will assist in defining optimum treatment rate through testing and monitoring the desalter operation.

Safety and Handling

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

Materials compatibility

Suitable

Metals:	304 stainless steel, 316 stainless steel, Admiralty brass, aluminum, copper
Plastics:	Plexiglass, Polypropylene HD, Polyethylene HD, PVC, Polyurethane, Fiberglass
Elastomers:	Buna N, TEFLON®, Viton®

Not suitable

Metals:	mild steel
Elastomers:	Hypalon®, EP Copolymer, 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.