

# SPECTRACLEAR 506 water clarifier Liquid coagulant and emulsion breaker

#### **Applications**

- Industrial wastewater treatment
- Wastewater clarification
- Sludge dewatering

#### **Features and Benefits**

- Breaks emulsion and makes a dry oil

   Eliminates recycling solids
   desalters
- Clarifies water by dropping solids down into the water phase
- Allows solids to be removed in WWTP
- Free of polyacrylamide, DADMAC, formaldehyde, epichlorohydrin, and polyamines
- - 100% biodegradable and toxin-free
- Compatible with stainless steel chemical feed systems, unlike chloride-based inorganics
- No need to change feed system metallurgy
- Effective down to 36°F (2°C)
- - Good for cold water temperatures
- Concentrates and thickens DAF float – Reduces thickness of DAF layer
- Does not entrap as much water as an inorganic treated sludge
- - Decrease sludge generated
- Dewaters oily solids DAF float Decrease dewatering and disposal costs
- Lower metals in WW effluent Reduces hazardous waste disposal costs

SPECTRACLEAR™ 506 water clarifier neutralizer can function as a coagulant, emulsion breaker and a flocculant.

The target applications are oily emulsified wastewater streams such as desalter brines or slop oils, while treating equipment such as API's, DAF's or Clarifiers.

SPECTRACLEAR 506 water clarifier can be fed neat through a positive displacement pump, but using carrier water may be beneficial.

Feed SPECTRACLEAR 506 water clarifier at a point which insures complete mixing, such as prior to the rapid mix zone.

Typical properties	
Appearance	Yellow to opaque liquid
Specific gravity at 60°F (16°C)	1.15
Typical Density at 60°F (16°C)	9.62 lb/USgal (1,155 kg/m3)
Flash point, SFCC	>212°F (>100°C)
Pour point	8°F (-13.3°C)
Freeze point	3°F (-16.1°C)
рН	7.9
Viscosity ASTM D-449	

@ 60°F (15.6°C)	1,565 cP
@ 40°F (4.4°C)	2,714 cP

### Materials compatibility Suitable

Metals:	304 stainless steel, 316 stainless steel, HASTELLOY B <sup>®</sup> , HASTELLOY C <sup>®</sup> , HASTELLOY HC <sup>®</sup> , alloy 20, titanium, brass, copper-nickel, monel, glass, admiralty brass, aluminum	
Plastics:	Linear polyethylene, LD, polyethylene, HD polyethylene, HD polypropylene, propylene, fiberglass, PVC, nylon	
Elastomers:	EPDM, Buna-N, Neoprene, silicone, TYGON®, VITON®	
Not suitable		
Motale: Mild stool		

Metals: Mild steel Elastomers: HYPALON® Suitability criteria: Metals: <1.0 MPY loss Plastics <10% Weight change Elastomers: <10% Weight change

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.

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