

Gemini[®] Fluoro Surfactant BH-16W

Introduction:

BH-16W is a water-soluble, anionic phosphate fluoro surfactant that gives low aqueous surface tensions with minimal foaming. In some applications, BH-16W may function as a defoamer. Applications for the outstanding wetting, levelling, anti-block, dirt pick up resistance performance of BH-16W include concrete coatings, floor waxes, finishes, polishes, architectural paints, industrial finishes, and wood coatings. BH-16W is useful in metal cleaning applications to improve cleaning efficiency, reduce bath drag out and provide water break in parts cleaning. It also acts as a nonemulsifying oil splitter.

Typical Properties:

Ion type	Anionic		
Appearance	Light brown liquid with fine sediment. Mix well before use		
Density	1.05 (25°C g/ml)		
PH	6-8 (0.1% wt in water)		
Solid Content	40%		
Solubility	Soluble in water and polar organic solvents		
Surface Tension	(25°C, 0.1% wt water solution, Surface Tension <20dyne/cm, 0.01% wt water solution, Surface Tension <23dyne/cm)		
Foaming	Effective defoamer, Ideal for coatings applications		
	(ROSS-MILES Foam Volume) 41°C/ml		
	DI Water	300PPM	Ca Content
	Initial	40	Nil
	5 Min	30	Nil

Application:

Suggested use rates are 0.05~0.2% wt solid, make adjustment according to your own recipe

- **Minimal Foaming/Defoamer:** Decreases foaming tendency in waxes, paints, adhesives and other aqueous-based products
- **Paints and Coatings:** Improve properties like anti-smudge, anti-fog, UV resistance and anti-stick. Increase surface gloss, compatible with most water based paints, provide low foam with added oil repellency to improve easy-clean features of water based paints, compatible with silicon additives
- **Polymer:** Enable better anti-smudge, anti-fog, UV resistance, use as defoamer, remover of calcium oxide layer and filler coupling agent, improve external lubricity, reduce plasticizer migration in system
- **Adhesive:** Enable better wetting, compatible with most water based recipe
- **Floor Finishes, Waxes and Polishes:** Enable better wetting, leveling, faster spreading, anti-cratering, excellent re-wet characteristics in multi-coat application, compatible with most water based recipe
- **Metals and Electronics:** Improve etching efficiency, good plating bath aid, use as process aid to rinsing agent and anticorrosive agent, zinc battery scale inhibitor and oxidation inhibitor, enhance anti-corrosion effect to cutting fluids and make cutting fluids easier separate from metal shavings, good use in premium soldering flux and soldering paste

• Metals Cleaning: Improve cleaning efficiency, reduce bath drag out and provide water break in parts cleaning

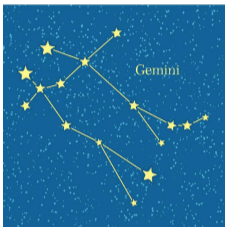
• Construction Tile Grout/Putty: Enable better anti-smudge, UV resistance, outdoor anti-smudge, compatible with most water based recipe

Attentions:

. During processing, wear protection clothes, be careful of eye, skin contact.

. Keep the container sealed and store in cool, well ventilated locations.

Packaging/Transport: 25Kg plastic jug. Not classified as dangerous in the meaning of transport regulations.



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