

Gemini[®] Fluoro Surfactant BH-12W

Introduction:

BH-12W is a water-soluble ethoxylated nonionic surfactant that contains no solvent, it is a particularly effective additive to organic polymers and solvent based paints and coatings. BH-12W is widely effective in solution with high or low pH, high or low hard ion concentrations. BH-12W provides low surface tensions in coating systems, it contributes excellent wetting, levelling, spreading and anti-UV properties to a variety of coating system.

Typical Properties:

Ion type	Nonionic
Appearance	Kahki yellow waxy paste (warm up to around 35 °C then become liquid)
Solid Content	100%
Density	1.35 (25°C g/ml)
PH	6-8. (0.1% wt in water)
Solubility	> 2% in water, methanol, isopropanol, ethyl acetate, methylbenzene, tetrahydrofuran, chloroform etc.
Insolubility	n-hexane acetate and other non polar solvents
Surface Tension	(25°C, 0.01% wt water solution, Surface Tension < 20dyne/cm)
Foaming	Effective foamer

Application:

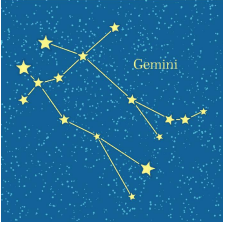
Suggested use rates are 0.01~0.3% wt solid, make adjustment according to your own recipe

- **Paints and Coatings:** Compatible with most aqueous and solvent based paints, improve properties like wetting, levelling, spreading and anti-stick
- **Polymers:** Internal lubricant, enable better anti-smudge, anti-fog, UV resistance, coupling agent for PTFE fillers, reduce plasticizer migration
- **Graphic Arts:** Pigment compatibility in inks, improve cylinder life in print equipment, enable better print definition
- **Adhesives:** Tackifier modification, improve wetting, compatible with most aqueous and solvent based adhesives
- **Waxes and Polishes:** Enable better wetting, levelling, anti-cratering, compatible with most aqueous and solvent based waxes and polishes
- **Metals and Electronics:** Improve etching efficiency, good plating bath aid, zinc battery scale inhibitor and oxidation inhibitor, wetting aid in photoresist strippers, good use in solar cell flocking additive, good use in wetting agent of lithium battery electrolyte, 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

Attentions:

- . During processing, wear protection clothes, be careful of eye, skin contact.
- . Keep the container sealed and store in cool, well ventilated locations.
- . It will freeze in low temperature, no worries, please warm up with 40°C hot water and mix well before use.

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



www.weissbonya.com

Hunan Weiss Bonya Co., Ltd

Email: Weissbonya@gmail.com