



H-1040E Multifunctional Surfactant

Product Overview:

H-1040E surfactant is a multifunctional additive with wetting, defoaming, and dispersing properties. This product is a symmetric, non-ionic surfactant, with a unique chemical structure that provides characteristics such as reduced surface tension, foam control, and decreased water sensitivity. It can be applied in many industries, including waterborne industrial coatings, waterborne wood coatings, waterborne plastic coatings, waterborne inks, waterborne varnishes, pressure-sensitive adhesives, pigment and dye manufacturing, metalworking fluids, fluxes, and pesticides.

Product Benefits:

- Excellent defoaming and foam suppression
- Good stability in acidic and alkaline conditions
- Low water sensitivity
- Effectively reduces dynamic and static surface tension
- Reduces pigment particle size and prevents re-agglomeration
- Wide range of applications

Technical Specifications:

Parameter	Value
Chemical Composition	Alkyne Diol
Appearance	Colorless or pale yellow transparent liquid
Active Ingredient	50%
Solvent	Ethylene Glycol
HLB Value	3
Static Surface Tension (0.1%@25°C)	33.8 mN/m
Dynamic Surface Tension (0.1%@25°C)	36.2 mN/m

Applications:

- Waterborne industrial coatings
- Waterborne plastic coatings
- Automotive coatings
- Pressure-sensitive adhesives
- Wood coatings
- Metalworking fluids
- Waterborne inks



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Recommended Dosage:

Based on the total formulation: 0.1%-1.0%. The above recommended dosage is for reference only. Due to the variability in formulations and selected raw materials, the final dosage should be determined through a series of trials.

Usage Method and Guidelines:

This product can be added directly as supplied and can be incorporated at any stage of production.

Product Packaging:

- 25kg stainless steel drum or plastic drum
- 200kg stainless steel drum or plastic drum

Product Storage Stability: When stored in unopened original containers at temperatures between 4°C (39.2°F) and 50°C (122°F), the product has a shelf life of at least 60 months from the date of manufacture.

The above information is provided based on current knowledge of the product and serves as an introduction and usage suggestion for our product. It should not be interpreted as a guarantee of specific characteristics for particular applications. Therefore, we assume no responsibility for this introduction and suggestions, and they do not replace the necessary evaluations and tests users should conduct before using the product.