



Brenntag Specialties, Inc is an Authorized Distributor for Achiewell, LLC



Acetylenic Diol Nonionic Surfactants

Market & Technical Information:

Acetylenic diol surfactant chemistry offers a unique combination of surface wetting with low or anti-foaming properties for waterborne systems. This combination is not typically achieved with other types of surfactants such as alkylphenol ethoxylates, silicone, or fluorosurfactants.

Features & Benefits:

- Low Dynamic Surface Tension (Ability to Wet Difficult Surfaces)
- Prevents Surface Defects (Craters, Fisheyes, Crawling)
- Flow & Leveling
- Anti-Foam Properties
- Improves Pigment Grinding
- Reduces Water Sensitivity

Applications:

- Waterborne Coatings - Automotive & Industrial
- Inks
- Adhesives
- Pigment Dispersions
- Fountain Solutions
- Metalworking Fluids

Typical Properties:

Property	ACH SN104	ACH SN104-IPA	ACH SN420	ACH SN440
Color	White	Pourable Clear	Clear to Yellow	Clear to Yellow
Physical State	Waxy Solid	Liquid	Liquid	Liquid
Active Ingredient(s)	100%	50%	100%	100%
Cloud Point (°C) (5% Solution)	No	No	28	31
Density (25 °C), g/ml	0.895	0.839	0.943	0.982
Viscosity (20 °C), cP	NA	100	< 350	< 200
HLB Value	≤ 4	≤ 4	4	8
Solubility in Water	Slightly Soluble	Slightly Soluble	Slightly Soluble	Slightly Soluble
EST (25 °C) , dyne/cm at 0.1 wt%	32	32*	31	33
DST (25 °C), dyne/cm at 0.1 wt% and 4 b/s	32	32*	32	35

* At 0.2 wt% as supplied

Issued: 12/14