



ADVANCED POLYMER, INC.

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APS-442

APS-442 is a silicone glycol copolymer which is very effective in reducing surface tension when used at concentrations of 1% or lower. APS-442 may be used to increase the hydrophilic nature of various substrates. It may also be used as a mold release agent, or as a leveling agent for dyes.

APPLICATION

Soluble in: Water , Alcohol, Glycols, Polyethers

Dilute APS-442 in water or other solvent to the desired level prior to use. Starting levels are 1% or less depending on application.

TYPICAL FORMULATION

Water Based Vinyl and Tire Dressing #3	
Component	Amount (wt%)
Acrysol TT-615 or Acrysol ASE-60	2
Water	76
APS-481 Emulsion	10
APS-442	12

- Mix Acrysol TT or Acrysol ASE-60 (Rohm & Haas) with water. Thicken to the desired viscosity with an alkali (approx. 1.8% diethanol amine).
- Slowly add the silicones to the thickened water with a moderate amount of agitation.
- Wipe or spray onto surface.

PACKAGING

APS-442 is available in 8 oz. samples and 441-lb drums.

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I want to know more!

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TYPICAL PROPERTIES

Appearance:	Light straw colored, transparent fluid
Solid Content:	100%
Ionic Nature:	Nonionic
pH:	6.4
Viscosity (@ 25°C):	820 cps
Specific Gravity (@ 25°C):	1.035
Surface Tension: (1% water solution)	25 dynes/cm
Siloxane Content:	20%
Cloud Point (1% water solution):	35°C

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