

## **Technical Data Sheet**

MATERIAL:	N-Vinylpyrrolidone/dimethylaminoethyl methacrylate copolymer, quaternized	
CATALOG NUMBER:	372	
CAS NUMBER:	53633-54-8	
DESCRIPTION:	Random copolymer of N-Vinylpyrrolidone and dimethylaminoethyl methacrylate, quaternized with diethyl sulfate, 20% solids in water	
FORMULA:	$(C_8H_{15}NO_2)_m(C_6H_9NO)_n \bullet xC_4H_{10}O_4S$	
TYPICAL PROPERTIES:	Appearance: Approx Mw: Relative viscosity: Flash point: Solubility:	Highly viscous liquid > 1,000,000 1.5-2.0 > 200°F Water
GENERAL INFORMATION:	Film-forming water soluble polymer which has been used in numerous hair and skin care products such as hair conditions, sprays, shampoos, dyes, deodorants, skin creams, and antiseptics.	
STRUCTURE:	$H_3$	

O O H<sub>3</sub>C CH<sub>3</sub> -SO<sub>4</sub>C<sub>4</sub>H<sub>10</sub>

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