

## 3M Novec™ 4300 Electronic Surfactant

Category : Fluid

**Material Notes:**

3M™ Novec™ 4300 Electronic Surfactant is an anionic fluorochemical surfactant available as a 20 wt% solution in glacial acetic acid with low metal content, typically containing < 30 ppm of each specified metal. Novec 4300 surfactant provides low surface tensions in low pH solutions, such as Phosphoric/Acetic/Nitric Acid mixtures for metal etching. It also provides low surface tension in a variety of other aqueous solutions. Novec 4300 surfactant offers : Improved wetting Good solubility Low effective concentration Stability in bath Filterability On the basis of toxicity testing conducted on Novec 4300 surfactant and life cycle assessment of its intended applications, 3M characterizes Novec 4300 surfactant as sustainable technology. Additional EHSR data on this product is available from 3M. Typical Applications: For use in metal etch solutions including Phosphoric/Acetic/Nitric ("PAN Etch") blends, and in other aqueous microelectronic process chemicals including low pH solutions Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Novec-4300-Electronic-Surfactant.php](http://www.lookpolymers.com/polymer_3M-Novec-4300-Electronic-Surfactant.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	
Viscosity	1.2 cP	1.2 cP	

Descriptive Properties	Value	Comments
Color	Clear, colorless liquid	
Type	Anionic	

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