CYTONIX

FluorN 560 Series: FluorN 561 and FluorN 561

FluorN™ 560 Series are 100% solids, non-reactive, fluorine containing, ethylene glycol based polymeric fluorosurfactants compatible with aqueous and most polar solvent based inks, coatings, resists and emulsions. FluorN 560 are excellent wetting, leveling and spreading agents for a variety of waterborne and polar, high-solids and radiation curable organic coating systems. These are non-ionic fluorochemical surfactants which provide low surface tensions in aqueous and polar coating systems. FluorN 560 Series reduce the aqueous/organic interfacial tension and remain surface active in the organic portion of the polymer system. FluorN 560 Series products may replace Fluorad FC430 and FC4430.

Applications:

- Architectural coatings
- Inks
- Floor polishes
- Waxes
- High solids coatings
- Water reducible coatings
- Radiation curable coatings
- Photoresists

Recommended use level is between 0.05% and 1.0% active surfactant. However, use level can vary depending on the application and concentration of other additives and solvents in the formulation.

Physical Properties:

Form: Viscous liquid

Color: Light amber

Odor: Slight halogen

Relative density: ~1.1

Solubility in water: Soluble

Vapor pressure: <0.01

Flash point: > 500 °C

Viscosity: <10,000 cP @ 25°C

Chemical Composition: FluorN 560 Series products have four pendant groups on a polypropylene glycol backbone. FluorN 561 has two perfluoro groups and two polyethylene glycol groups. For FluorN 562 the ratio is one perfluoro group and three polyethylene glycol groups. Therefore, FluorN 561 has a slightly higher fluorine content than FluorN 562.

Regulatory Summary: FluorN 560 Series products do not contain PFOA or PFOS, do not degrade to PFOS or PFOA and do not derive from compounds comprising these materials. These products comply with the chemical notification requirements of TSCA are REACH compliant in Europe.

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