

FluorN 1740G

FluorN 1740G is a fluorosurfactant additive that provides low surface tension in solvent-based products, enabling better wetting, spreading, leveling and other beneficial properties in coatings, paints, inks, cleaning products, conditioners, polishers, etc. At very low concentrations, FluorN 1740G can deliver great wetting power.

Applications:

Paints and Coatings: Improves wetting and leveling. Reduces cratering and compatible with many solvent-based paints.

Cleaning Products: Improves wetting and penetration in difficult to wet soils.

Graphic Arts: Enhances pigment compatibility in inks. Improved cylinder life in print equipment and better print definition.

Waxes and Polishes: Enhances wetting and leveling. Reduces cratering and compatible with many solvent-based waxes and polishes.

Oil Well Stimulation: Foaming agent to increase the interfacial tension between hydrocarbon and salt solutions for demulsifying and desalting applications. Use to foam kerosene and diesel

Usage Levels: FluorN 1740G is typically used at 0.1–0.5% by weight

Table 1: Properties of FluorN 1740G

Structure:	C6 fluorinated acrylate copolymer
Composition:	40% fluorosurfactant and 60% solvent (Isopar-H (Naphtha))
Alternate solvents:	Ethyl-acetate, MEK, butyl-acetate, odorless mineral spirits, kerosene
Ionic character:	Nonionic
Appearance:	Yellow liquid
Density at 25°C:	0.8 gram/ml
Flash point:	50°C
Solubility:	Over 5% in diesel, mineral spirits, ethyl-acetate, acetone, MEK, butyl-acetate, methyl isobutylketone (MIBK), n-heptane, toluene and xylene
Foaming:	Moderate foamer at 0.1% active ingredient
Water contact angle:	>100° (in oil-based commercial paint)
Flammability:	Combustible

Table 2: Properties Surface Tension (dyns/cm at 25°C)

Active Surfactant	Butyl Acetate	Xylene
0.1%	24	26
0.5%	23	25

Packaging: 1 LB metal cans, 7 LB 1-gallon metal cans and 35 LBS 5-gallon pails

Shelf life: One year

Stability: Freezing stable

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