

## 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**

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