

## SPECIAL Black HF liq.

<b>General properties</b>	Economical greenish black dyestuff for printing & ink applications with high tinting strength Excellent compatibility with common ink jet and stationery ink ingredients Very good filtration properties (0.45 µm) High color strength at an economical price
<b>Color Index Part I</b>	Direct Black mixture
<b>Color Index Part II</b>	–
<b>Chemical class</b>	Disazo dyes
<b>Appearance</b>	Black liquid
<b>Dye content</b>	≈ 30%
<b>Color strength tolerance</b>	± 2.5%
<b>Solvent</b>	Water
<b>Surface tension</b>	> 50 mN/m
<b>pH (form supplied)</b>	7.5 – 9.0
<b>Viscosity</b>	< 10 mPas
<b>Filterability (0.45 µm filter)</b>	≤ 0.01% residue
<b>Lightfastness</b>	3
<b>Solubility (g/L at 25 °C)</b>	Water_____miscible Glycols____miscible
<b>Ion content (ppm)</b>	Chloride < 500      Sulfate < 3000 Calcium < 40      Magnesium < 20 Silicon < 30 Iron < 20
<b>Applications</b>	Water-based inks Thermal and piezo ink-jet printing Office supplies Fine liner inks, fountain-pen inks Writing instruments Especially suitable for industrial ink-jet printing & barcoding
<b>Stability</b>	Storage stability: 24 months from delivery ex plant.



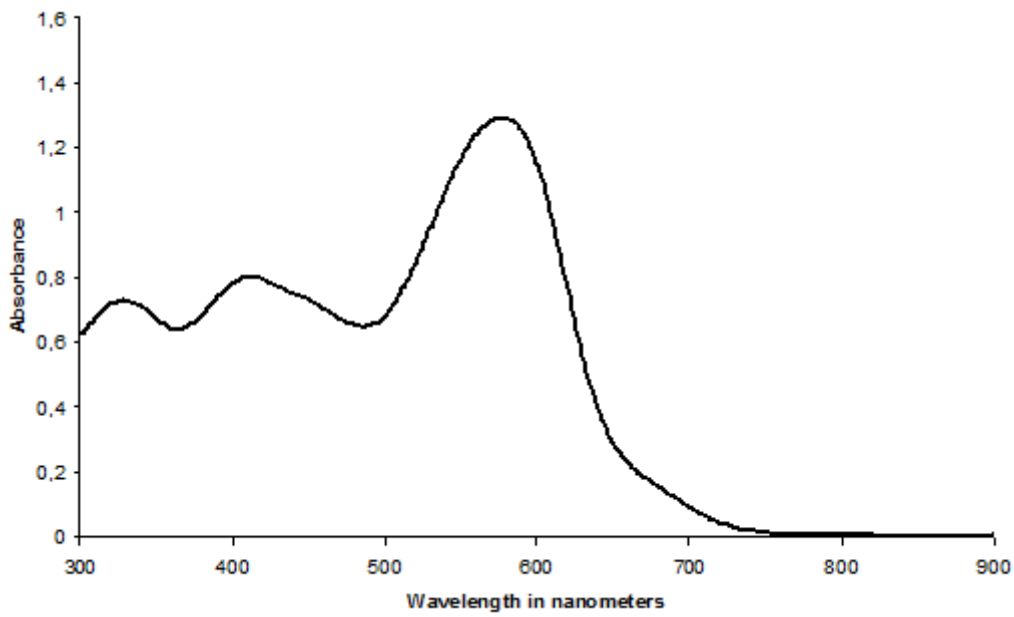
Protect from freezing.

Special Black HF liq. is stable against weak acids and bases.



## Absorbance curve

### Special<sup>®</sup> Black HF liq. in water



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