

Technical Data Sheet

Highlighter Ink – HLD83 and HLP73 Series

Multichem has two different forms of highlighter ink: dye-based (HLD83) and pigmented (HLP73). All inks are available in a range of fluorescent colours and are compatible with standard paper as well as specialist papers, such as cop-fax, printer paper and fax paper. Regulatory information and compliance available on request.

● Standard Colours

Ink Colour	Pantone References*	Typical Viscosity (20°C) (mPa.s)	Typical pH (20°C)	Density (20°C) (g.cm ⁻³)	Surface Tension (mNm/m)
● HLD83 Yellow	803 C	4.0	10.0	1.01	38
● HLD83 Green	802 C	4.0	10.0	1.01	38
● HLP73 Yellow	803 C	3.5	6.5	1.01	38
● HLP73 Green	802 C	3.5	6.5	1.01	38
● HLP73 Pink	806 C	3.5	6.5	1.01	38
● HLP73 Orange	804 C	3.5	6.5	1.01	38
● HLP73 Red	805 C	3.5	6.5	1.01	38
● HL73 Lilac	807 C	3.5	6.5	1.01	38
● HLP73 Cyan	801 C	3.5	6.5	1.01	38

*Pantone references quoted are approximate to give an indication of colour shade

● Component Selection Advice

For optimum performance, markers should ideally be stored in the horizontal orientation and should be capped securely.

Reservoir system

Nib – Polyester, 68% porosity (HLD83 inks require alkaline resistant nibs – nylon nibs are not recommended)

Reservoir - Polyester with polypropylene wrapping and a density of 0.18 g.cm⁻³

Barrel - Polypropylene (PP), polyethylene (PE)

Head/tail caps - Polypropylene (PP), polyethylene (PE), BS 7272-1:2008 compliant

Please test and approve our inks in your own components

● Shelf Life

The shelf life of HLD83 and HLP73 highlighter inks is 12 months from receipt when stored in the original sealed containers. It is recommended to store the inks between 10°C and 30°C.

Drums should be stored for at least 24 hours at room temperature (around 20°C) and then thoroughly agitated until the ink is uniform before to use.

Caution: For more information, please refer to the Material Safety Data Sheet.

✉ For further information please email lab@multichem.net

Disclaimer: It is your responsibility as the writing instrument manufacturer to establish the overall safety and fitness for purpose of the marker components incorporating our inks and to establish overall compliance to regulations and legislation related to the industry. All marker pen components should be thoroughly tested by you for compatibility with our inks. Multichem makes no guarantees (either express or implied) with respect to this technical data or our advice regarding component selection. Multichem will not accept any liability for any loss arising in connection with this technical data or the recommendations expressed within (other than that resulting from our gross negligence). Please contact your component suppliers for more specific advice regarding component suitability and selection. The information contained within this technical data sheet is not exhaustive and you should verify the performance of your final product.