

## Technical Information

### Highlighter Inks HLP73 (EN71 Part 9 Compliant Versions)

#### General Information

HLP 73 highlighter inks are pigmented and are copy-fax compatible. These EN71 Part 9 compliant inks are also EN71 Part 3 and ASTM D-4236 approved.

#### Available Colours

Pigmented	
● HLP Red	● HLP Dark Blue
● HLP Lilac	● HLP Green
● HLP Light Green	● HLP Orange
● HLP Yellow	● HLP Magenta
● HLP Pink	● HLP Cyan Blue

#### Typical Physical Properties

Ink	Viscosity (22°C) (±0.6 mPa.s)	Surface Tension (±3.0mNm/m)	pH (±0.5)
● Red	3.2	38	6.5
● Lilac	3.2	38	6.5
● Light Green	3.2	38	6.5
● Yellow	3.2	38	6.5
● Pink	3.2	38	6.5
● Dark Blue	3.2	38	6.5
● Green	3.2	38	6.5
● Orange	3.2	38	6.5
● Magenta	3.2	38	6.5
● Cyan Blue	3.2	38	6.5

**mPa.s** = milli-Pascal-second

**mNm/m** = milli Newton metre per metre

#### Approvals

US	European
ASTM D-4236	EN71-3:1994
	EN71-9:2005

*NB: our inks are suitable for use in marker pens intended for children of 3 years and above, however it is the pen manufacturer's responsibility to establish the overall safety and fitness for purpose of the product incorporating Multichem inks.*

#### Component Selection Advice

Component	Details
Nibs	High porosity polyester and sintered polyethylene nibs are recommended. Polyester nibs must be alkaline resistant if used with dye based inks.
Reservoir	Polyester or polypropylene reservoirs are recommended. Acetate reservoirs are not suitable for dye based inks.
Barrel	Polyolefin types are recommended but PVC is also compatible. Styrenics give poor shelf life but otherwise operate well.
Head/Tail Caps	

*We strongly recommend you test your components for compatibility with our inks.*