



### Hazard Free no gBL Sign & Display Inks

Mutoh's pioneering MS51 CMYK inks - available in litre packs - are cost-effective quick dry sign & display inks which enable printing on the widest range of uncoated and coated substrates, for indoor and outdoor durable commercial graphics.

The MS51 inks offer market leading health and safety features : they do not carry any danger or hazard symbols, are gBL<sup>1</sup> free and allow ozone free printing. As such, they can be used in regular offices, home based businesses or small retail environments.

Mutoh MS51 inks will fulfill the requirements of today's sign professionals with regards to outdoor and indoor signage applications : wide media compatibility, superior colour gamut, excellent weather, abrasion and chemical resistance, UV durability up to 3 years without lamination<sup>2</sup> and last but not least unique gloss preservation of prints. In addition, they offer excellent drying properties.

### Product Highlights

- 1 litre ink packs in disposable foil, reducing waste
- 4 colours - C, M, Y, K
- Hazard free inks : no danger or hazard symbols
- gBL<sup>1</sup> free ink formulation
- Quick dry inks – door opener to same day lamination
- Vibrant high density prints, excellent dot gain
- Superior colour gamut & media gloss preservation
- Suited for long term outdoor and indoor commercial graphics
- Excellent abrasion and chemical resistance scores
- UV durability without lamination up to 3 years outdoor<sup>2</sup>
- GREENGUARD Gold Certification, category Wallpaper



1 : gBL stands for gamma-Butyrolactone. gBL has excellent solubility/stabilizing properties. The ingredient is questioned. As a pure product, it can be used as base product for the production of recreational drugs, improvement of athletic performance, etc. Digital inks containing substantial amounts of gBL are questioned too. In a certain number of countries, inks containing gBL can no longer be imported.

2 : For heavy duty applications where mechanical stress or environmental impact is involved (floor, vehicle and marine graphics), lamination is required. Stabilisation is required prior to lamination. Thanks to the quick dry behaviour of MS51 inks, time before lamination of prints will be substantially shorter.



CMYK



Environmentally Responsible



Outdoor / Indoor



Quick Dry



Cost Effective



### Technology

Mutoh MS51 CMYK inks have been specifically formulated for Mutoh's latest piezo drop-on-demand AccuFine head technology integrated in Mutoh's XpertJet Pro sign & display printer models. The ink formulation is pioneering as according to the current CLP regulations, MS51 inks do not require hazard or danger symbols and are moreover gBL free. In addition, the inks offer an increased drying speed which is a door opener towards same day lamination. The MS51 inks are delivered in litre ink packs in foil which fit into the XpertJet Pro's re-usable ink pack cases, reducing waste.

### Application Possibilities

MS51 inks will create durable prints on coated and uncoated substrates and have been specifically developed for high quality volume production of sign and display graphics, for long term outdoor applications as well as durable prints for indoor use : posters, backlit signage, wall coverings, point-of-sale displays, photography, fine art reproduction, vehicle graphics, stickers and much more.

#### Unrestricted Level of Use



Our MS51 sign & display inks have obtained GREENGUARD Gold certification at the highest level for building products and interior finishes. Prints can be used at full room coverage, even in sensitive environments such as schools and hospitals.



#### MS51 - Ink Volumes & Printer Compatibility

XpertJet 1641SR Pro – 1625 mm – 64" – single head – AccuFine – 1600 nozzles

1 litre ink packs - CMYK

XpertJet 1682SR Pro – 1625 mm – 64" – two heads – AccuFine HD – 3200 nozzles

1 litre ink packs - 2 x CMYK



XPJ-1641SR Pro



XPJ-1682SR Pro

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