Technical Data Sheet
Whiteboard Ink – WB1500 Series

WB1500 is Multichem's latest colourful generation of pigmented dry erase inks. This vibrant range was specifically developed following customer feedback to offer enhanced marker-storage stability whilst still boasting a quick drying time, extended cap-off of over 72 hours and high colour intensity. The quick drying time the **WB1500** range sees good short term erasure while careful formulation leads to equally impressive long term erasability from a whiteboard.

Ink	Pantone Reference§	Shade§	Viscosity (20°C) (mPa.s)	pH
WB1573 Black	N/A	●	8.0	8.0
WB1574 Blue	2145 C	●	6.0	8.0
WB1587 Red	032 C	●	5.0	8.0
WB1570 Green	3500 C†	●	5.0	8.0
WB1566 Cyan	3538 C†	●	5.5	8.5
WB1535 Green	2240 C†	●	8.0	8.0
WB1578 Lemon Grass	2421 C†	●	6.0	8.0
WB1569 Yellow	101 C†	●	6.0	8.0
WB1568 Orange	151 C†	●	8.0	8.0
WB1575 Pink	674 C	●	9.0	9.0
WB1576 Purple	267 C	●	6.0	8.0
WB1586 Brown	7594	●	6.5	8.5

§Pantone references are approximate and vary depend on the ink lay down; † colours may not be accurately represented on some computer screens / from certain printers

Density = **0.83 g.cm^{-3}**; Surface tension = **27 nNm.m^{-1}**; Multichem inks have a **ΔE $\leq$ 3**, Approximate VOC content **765g/L**

WB1500 in Your Pens

The performance features of all whiteboard inks vary significantly depending on the components which the inks have been paired with.

Nibs:	Polyester and acrylic, high porosity; Multichem recommends a porosity of around 65% for optimum flow performance.
Reservoirs:	polyester; Multichem recommends a reservoir density of 0.160 g.cm^{-3}
Barrels:	PP, PE, Aluminium
Caps / Plugs:	PP. Refer to BS 7272-1:2008 for more details

Once selected the component combination should be thoroughly tested.

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

For further information about component selection, pen tests or pen storage please email lab@multichem.net

WB1500 in the Environment

Multichem strives to play its part in the responsible sourcing of raw materials and manufacturing of inks to help protect the environment.
WB1500 has been developed with the environment in mind and as such is made up from **> 71%** renewable materials.

WB1500 in Your Factory

Multichem **WB1500** inks are guaranteed for 24 months from receipt when stored in the original sealed containers.

Store Multichem whiteboard inks between 10°C <T< 30°C to avoid ink adverse performance features.

Prior to usage drums should be stored for at least 24 hours at room temperature (circa 20°C) and then thoroughly agitated until the ink is of a uniform consistency prior to use.

Multichem inks which have passed their shelf life may still be fine to use. To find this out simply follow the guidelines above to obtain a uniform 100g sample of ink, label the ink with the product name and batch number and send it to Multichem for a quality check.

Please remember that whiteboard inks are flammable liquids so please handle accordingly. For more information please refer to the CLP Material Safety Data Sheet for the **WB1500** range.

WB1500 in the Market

Multichem has developed **WB1500** to comply with all relevant health & safety and regulatory demands which means that all end users of the inks are suitably protected.

☑ EN 71-3:2013 + A1:2014	☑ EU / US / CA TRA
☑ EN71-9:2005+A1:2007	☑ ASTM D-4236 TRA

All WB1500 ingredients can also be found on the EPA TSCA Inventory. Final markers may also require separate approval in order to meet some of the above regulations.

Our inks do not contain any Substances of Very High Concern (SVHC), Benzene, Toluene or Xylene. None of our inks require labelling under Proposition 65 (assuming a maximum reservoir capacity of 12ml).

All ingredients of **WB1500** have been registered / pre-registered under REACh or are exempt from REACh registration.