

## TECHNICAL DATA SHEET

# BGI Series daylight fluorescent inks

### Description

In answer to a demand in the printing market for faster and higher productivity Swada has developed the BGI range of fluorescent offset inks. The BGI Series inks offer high colour strength, minimal waste through rapid colour achievement, excellent dot reproduction, stable printing, good drying and excellent rub resistance. Printing and finishing has to be fast, trouble-free and reliable.

From an environmental concern BGI Series inks are vegetable oil based and do not use mineral oils.

### Features and Advantages

- High colour strength with good Chroma.
- Rapid colour achievement with less paper waste.
- Stable ink/water balance with excellent dot reproduction.
- Good drying on a vast variety of substrates.
- Excellent rub resistance.
- Duct fresh.

### References and Resistance properties

Code	Light fastness ISO 2835	Nitro resistance ISO 2837	Alcohol resistance ISO 2837	Alkali resistance ISO 2838
BGIB01 Blue	2	-	-	+
BGIG02 Green	2	-	-	+
BGIY03 Yellow	2	-	-	+
BGIOG04 Orange	2	-	-	+
BGIR05 Red	2	-	-	+
BGIP06 Pink	2	-	-	+
BGIM07 Magenta	2	-	-	+

Note: ISO2835 is a determination of the lightfastness. The final lightfastness of prints is also dependent of the amount and type of optical brighteners in the substrate, the ink film weight (the more the better), the influence of glues or other chemicals, the use of varnish or lamination.

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The guarantee is limited to the consistent quality of its products. Technical information, advice, verbal and written suggestions and test results are offered for guidance without responsibility. No warranty of merchantability for a particular purpose is made. Users are responsible for testing our products and suggestions to ensure that they are suitable for the intended purpose and application prior to use.

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### Health and Safety

BGI Series inks are vegetable oil based and do not use mineral oils. The compositions of the inks meet current REACH requirements and conform to EUPIA guidelines. A safety data sheet is available on request.

Some inks are classified “H412: Harmful to aquatic life with long lasting effects.” As a general rule we advise to avoid release to the environment and to dispose in a safe manner in accordance with local/national regulations.

### Substrates

The BGI Series inks can be use on a vast variety of substrates. Excellent results have been achieved on coated paper, uncoated paper and board.

These inks were not developed for cast coated paper, synthetics, films and foils. In such substrates a test is mandatory and the print result cannot be guaranteed.

### Print Finishing

The BGI Series inks contain a carefully balanced amount of wax to achieve optimum rub resistance. The type of wax was selected to have as little influence as possible on post finishing adhesion however the final result mainly depend on the coating/lamination/varnish type used. We recommend testing the suitability prior each production run.

### Packaging & Shelf life

The BGI Series inks are packaged in 1.0kg vacuum pack tins and are supplied in cartons of 12 x 1.0kg tins.

The shelf life is 2 year after production date.

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