

BIO-SIL

Antifoams & Emulsions

BIO-SIL IGI/100

Industrial Grade Ink Anti-foam & Defoamer

TECHNICAL DATA SHEET

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PRODUCT DESCRIPTION

BIO-SIL IGI/100 is a 100% antifoam compound contains silica derived components specifically formulated for foam control in solvent inks and the pigment grind phase of aqueous inks. BIO-SIL IGI/100 also aids air release in non-aqueous, UV-curable inks. BIO-SIL IGI/100 is not mineral oil based so won't swell the rubber rolls or plates used in the application of aqueous flexographic inks. BIO-SIL IGI/100 is not recommended for printing inks to be applied over metal substrates. This de-foamer is indirect food contact safe and solvent free.

Appearance	Opaque, faint silver liquid
Active Silicone Solids (%)	100
Specific Gravity (@ 20 °C)	0.98
Viscosity at 25 °C (Mpas)	>500- <1500
Flash Point (closed cup) °C	> 100
Packaging	25kg Containers 200kg Drums 1000kg Containers

*Typical product data values should not be used as specifications.

COMMON AREAS OF USE

- Water-based ink and coating systems
- Printing press ink fountains
- Printing press ink pumps/agitation
- Waste water treatment
- Water based systems

STARTING GUIDE

For non-aqueous applications BIO-SIL IGI/100 can be pre-dispersed to use in kerosene, white spirits, amylacetate, 2-ethylhexanol, toluene as well as solvents of similar nature. For aqueous applications BIO-SIL IGI/100 is effective when dispersed on isopropanol or a tertiary butyl alcohol at a suggested starting point of 10ppm w/w.

PLEASE NOTE

- The advice given in this document is only a guideline and does not relieve the user from conducting further test before use in production batches.
- Material Safety Data Sheets are available upon request
- The warranty period without testing is 12 months from date of manufacture, if stored in the original unopened container at 4°C to 27°C. Agitation after long periods of storage will be necessary for best performance.

LEGAL DISCLAIMER: Each user bears the full responsibility for making its own determination as to the suitability of Supplier material, products, services, recommendations or advice for its own particular purposes. Each user must identify and perform test and analysis sufficient to assure its finished parts will be safe and suitable for use under end-use conditions. Because actual use of products by the user is beyond the control of Supplier, such use is within the exclusive responsibility of the user, and supplier cannot be held responsible for any loss incurred through incorrect or faulty use of the products. Further, no statement contained herein concerning a possible or suggested use of any material product, service or design is intended or should be construed to grant any license under any patent or other intellectual property right of Supplier or any of its subsidiaries or affiliated companies, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.