

BIO-SIL

Antifoams & Emulsions

BIO-SIL IGA/100

Industrial Grade Adhesive Anti-foam & Defoamer

TECHNICAL DATA SHEET

Rev.4 Date: 24/11/2016

PRODUCT DESCRIPTION

BIO-SIL IGA/100 is a 100% antifoam compound contains silica derived components specifically formulated for foam control in solvent adhesives and related applications. BIO-SIL IGA/100 also aids air release in non-aqueous, UV-curable; hot melt; low tack adhesive systems. BIO-SIL IGA/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 IGA/100 is not recommended for printing inks to be applied over metal substrates. This de-foamer is indirect food contact safe and solvent free.

TYPICAL PROPERTIES

Appearance	Opaque, faint silver liquid
Active Silicone Solids (%)	100
Specific Gravity (@ 20°C)	0.98
Viscosity at 25°C (Mpas)	>500 < 2000
Packaging	25kg Containers 200kg Drums 1000kg Containers
Flash Point (closed cup) °C	>100

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

STARTING GUIDE

For non-aqueous applications BIO-SIL IGA/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 IGA/100 is effective when dispersed on isopropanol or a tertiary butyl alcohol at a suggested starting point of 10ppm w/w.

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.

COMMON AREAS OF USE

- Most overprint varnishes
- Solvent based inks
- Pigment grinding phase of aqueous and non-aqueous inks
- Most UV overprint varnishes
- Printing press where ink application is by rubber plates or rollers

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.