

# IGX / 20

Industrial Grade General Purpose Anti-foam & Defoamer

## Technical Data Sheet

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### Product Description

BIO-SIL IGX/20 is a multi-purpose, 20% silicone-based emulsion, specifically formulated for the anti-foaming and defoaming of a wide range of aqueous systems. BIO-SIL IGX/20 is very effective for rapid and heavy foam control.

### Common areas of use

- Liquid detergents
- Carpet cleaning
- Pesticide/herbicide formulations
- Chemical distillations
- Waste water treatment
- Fermentation processes
- Water based systems

### Typical specifications

|                             |                                        |
|-----------------------------|----------------------------------------|
| Appearance                  | Off White to beige                     |
| Active Silicone Solids [%]  | 20                                     |
| *Specific Gravity [@20 °C]  | 0.99                                   |
| *Viscosity at 25 °C [mPa.s] | 1100-1450                              |
| Packaging                   | 25Kg Pail<br>200Kg Drum<br>1000Kg Tote |

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

### Starting Guide

**As a processing additive:** For maximum defoaming efficiency, pre-dilute BIO-SIL IGX/20 with 3 to 5 parts before adding to the foaming system. Do not add the BIO-SIL IGX/20 to the water but rather vice versa. In processing applications as an additive, BIO-SIL IGX/20 in concentrations of 10 to 500 ppm can be added.

**For end use:** BIO-SIL IGX/20 emulsion can be added directly from the original shipped container to the foaming system. Concentrations in the range of 0.5 to 3% have been determined as a good starting amount for liquid detergent applications.

### Please Note

- Testing before formulating should be carried out as systems vary.
- Material Safety Data Sheets are available upon request.
- The shelf-life period without testing is 12 months from date of manufacture, if stored in the original unopened container at 4°C to 27°C.
- Mild agitation should be applied during storage, as any emulsion tends to separate without agitation over extended periods.

### 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 perform a test to determine whether analysis is sufficient to assure that the product 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.