



## TECHNICAL DATA SHEET

### FOAMDOCTOR G2005 – Silicone Antifoam.

#### Description

PennWhite Ltd Anti-Foam and De-foaming agents control the amount of foam generated in industrial and food processes, some of which are formulated for specific applications.

Silicones provide the most effective control of foam known in many applications and can be added directly into the foaming media or blended directly into certain formulations (e.g. textile auxiliaries).

The Foamdoctor G2000 range is effective in hot and cold foaming systems over a wide pH range.

#### Foamdoctor G2005 In Industrial Processes.

The Foamdoctor G2000 range of products can be utilised in a wide range of industrial applications.

(I) Textile Industry

Foamdoctor G2000 products are stable siloxane based anti-foaming agents with varying active contents, which are suitable for both jet and winch dyeing applications. In the textile industry they have the added advantage of producing lustre and brightening fibres.

(II) Oil / Gas Industry.

There are many applications for silicone antifoams within the oil industry. These include uses in drilling muds and borehole cementation, as well as distillation and fractionation processes such as asphalt and bitumen processing and the UDEX, Sulpholane and Furfural processes. In the gas industry these products are used for gas scrubbing and drying.

(III) Coatings.

Silicone antifoams can be utilised in several coatings systems. These include adhesives, latex production, resins, glues, inks and water or solvent based paints.

(IV) Water treatment.

Applications include boiler water treatment, wastewater and effluent treatment as

well as biological / sewage treatment plants.

Other general industrial applications include:

- Metalworking – cutting fluids and wire drawing.
- Carpet cleaning.
- Leather finishing.
- Insecticides / herbicides / fertilisers.
- Laundry detergents and other cleaners.
- Paper and pulp processing.
- Wool fat processing.
- Starch processing.
- Concrete.
- Amine scrubbing.
- Phosphoric acid manufacture.
- Distillation processes.

## Specification

Viscosity	500 -2000 cps
Specific Gravity	0.98 - 1.00
pH (as is)	4 - 8

## Typical Properties

Appearance	Milky Liquid
Colour	White Emulsion
Ionic Nature	Non-ionic (APEO Free)
Solubility	Dispersible w/min agitation
Shelf-life	12 months in original unopened containers

Issue No      Date :26/03/04

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*Information given in this publication is based upon technical data gained in our own and other Laboratories and is believed to be true. However if the material is used in conditions beyond our control we can assume no liability for results obtained or damages incurred through the application of the data present herein.*

**PennWhite Ltd.**

Radnor Park Trading Estate, Back Lane, Congleton, Cheshire. CW12 4XJ.

Telephone +44 (0) 1260 279635    Fax +44 (0) 1260 298920    Email info@pennwhite.co.uk  
www.pennwhite.co.uk