

AF1220(NP 10.149) Silicone Antifoam 20% Solids

Introduction

Antifoam **AF1220** is a highly active silicone emulsion based on activated polydimethylsiloxane. It has been specially formulated to prevent, control or destroy foam in liquid systems.

Key Features

- **High antifoam activity**
- **Easily dispersed in water**
- **Resistant to pH range 3 to 9**
- **Temperature resistance <70 C**

Applications

Antifoam AF1220 can be used in textile industry for processes as:

- WATER TREATMENT
- PRINTING
- FINISHING

In chemical industry it is applied to knock down as to prevent foam for the production of:

- EFFLUENT TREATMENT (not biologic treatment)
- TEXTILE INDUSTRY (printing, cleaning)
- PRINTING INKS
- CHEMICALS AND DETERGENTS

How to Use

AF1220 can be used either as supplied or diluted with water to the desired concentration, depending on the characteristics of the system i.e. temperature, pH, volume of foaming/foamable liquor, degree of agitation, composition and dosing system available.

Dilution of **AF1220** should be used within 12 hours from preparation, as the product is not stable without addition of appropriate thickeners, (acrylic or cellulose). All equipment used to prepare dilutions of **AF1220** should be thoroughly cleaned before refilling with diluted product and to prevent contamination by micro-organism, the container should be closed after usage. It is possible to add to dilution water an appropriate preservative. If the diluted antifoam is separated it is recommended to gently stir the emulsion to homogenize the system.

Concentration of **AF1220** required for good foam control depends on the process where it is employed. If there is no previous experience of a foam problem, it is generally suggested to start with a concentration of 50 ppm of active silicone and then to adjust the amount upwards or downwards in order to determine the most cost effective concentration.

| Property* | Test Method | Value |
|-------------------|-----------------|---------------------|
| Colour: | | White |
| Appearance: | | Milky Liquid |
| Solids Content: | | 20 % |
| Active Content: | | 15 % |
| Specific Gravity | BS 5350 Part B1 | 0.98 |
| Viscosity | Brookfield | mPas |
| FDA Approved | | No |
| Silicone Antifoam | | Yes |

Suitable Diluents

Water

Health and Safety

Available on request

Packages

200 kg. Drums, 1000 kg IBC.

Storage and Shelf Life

Over six months. This product should be stored between 5 and 30°C in clean sealed containers. The product should not be allowed to freeze.

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* The details are merely typical properties not specifications.

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