

## AF 1220 silicone antifoam

### Introduction

This antifoam 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 defoaming activity
- Easily dispersed in water
- Resists to pH range 3 to 9
- Resists to temperature < 70 °C

### Applications

This antifoam can be used in textile industry for processes such 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

It 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. The diluted product should be used within 12 hours from preparation, as the dilution is not stable without the addition of appropriate thickeners (acrylic or cellulose). All equipment used 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. The concentration 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.

### **Properties\***

Appearance: **Milky white liquid**

Solids content: **20 %**

Emulsifier: **non-ionic**

Suitable Diluents: **Water**

\* The details are merely typical properties not specifications.

### **Packages**

CHT ITALIA antifoams are available in a variety of packaging and sizes including drums and IBC. Please contact our sales department for more information.

### **Health and Safety**

Material Safety Data Sheets available on request.

### **Storage and Shelf Life**

Over 12 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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