

AF1324 FG

Silicone Antifoam 24% Solids Food Grade

Introduction

This antifoam is a highly active food grade silicone emulsion based on activated polydimethylsiloxane. It has been specially formulated to prevent, control or destroy foam in liquid systems.

Key Features

- Food contact approved
- Easily dispersed in water
- Effective in hot or cold aqueous processes
- Sterilisable

Use and Cure Information

Applications

This product is approved as a processing aid in applications where its use may bring it into contact with food. It is also approved as a component during the manufacture of articles, which in their finished state are intended to be brought and /or are brought temporarily or permanently into contact with foodstuffs.

Typical applications include:-

- Pharmaceutical production – fermentation processes for the manufacture of antibiotics
- Chemical production- fermentation processes for food acids eg citric, tartaric acid etc.
- Enzyme production Yeast manufacture and related industries eg alcohol distilling, brewing and fermentation
- Washing of vegetables and fruit and cleaning of shellfish, poultry etc
- Fruit juice extraction and soft drinks manufacture, glucose syrup, confectionery and preserve production

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. 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.

Health and Safety:

Safety Data Sheets available on request.

Packaging:

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

Revision Date : 02/11/2017

Download Date : 12/08/2020

Property

% Silicone

% Solids

Appearance

Colour

FDA

SG

Silicone Yes/No

Viscosity A-Part mPas

Test Method

CFR (21) 177.2600

BS ISO 2781

Brookfield

Value

20 %

24 %

Milky Liquid

White

Yes

0.98

Yes

900 mPas

Storage

Max storage temperature

°C

Min storage temperature °C

Shelf life

30 °C

5 °C

12 mths

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as warranty or representation. Users should make their own test to determine the applicability of such information or the suitability of any products for their own particular purposes. Statements concerning the user of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is to be assumed. All values are typical and should not be accepted as a specification