



Foam-Clear IndaFerm-S

Description

Foam-Clear IndaFerm-S is a highly effective antifoam concentrate which is designed specifically for use in non-food based fermentation processes. Its formulation from polyglycol and siloxane polymers produces an antifoam which gives outstanding foam control in complex and demanding applications. It is capable of being sterilized without compromising performance and can be used equally well as a concentrate, diluted in a suitable carrier or combined with other ingredients in the fermenting vessel.

Method of Use

Foam-Clear IndaFerm-S can be used in its neat form or dispersed in a mineral or vegetable oil. A 10% dispersion in soya oil will be stable for up to 2 days. For maximum efficiency and economy we recommend the antifoam be diluted with a suitable oil before use in the ratio of one volume of IndaFerm-S to nine volumes of oil, the oil being added slowly to the antifoam with continual low-shear agitation.

For best results the diluted antifoam should be used within twelve hours of dilution. The quantity of antifoam required can only be found by experiment. In general between 100 ppm and 1000 ppm of the product is all that is required. (depending on the specific application).

Applications

Foam-Clear IndaFerm-S can be used in a wide range of processes such as bioethanol production and other, non-food, industrial fermentation processes. It is highly effective in both grain and sugar molasses fermentations of an industrial nature.

Product Features

- Outstanding reliability and versatility.
- Highly effective, enabling attainment of foam control with minimum addition of non-nutrient additives.
- Sterilisation stable.



Toxicity and Handling

The components of Foam-Clear IndaFerm-S have a very low order of toxicity, although prolonged contact with the skin or contact with the eyes may cause some irritation. See our material safety data sheet for more information.

Storage and Shelf Life

The product should be stored below 32°C and ideally should not be allowed to freeze. Shelf life of the unopened container is 12 months from date of manufacture.

Typical Properties

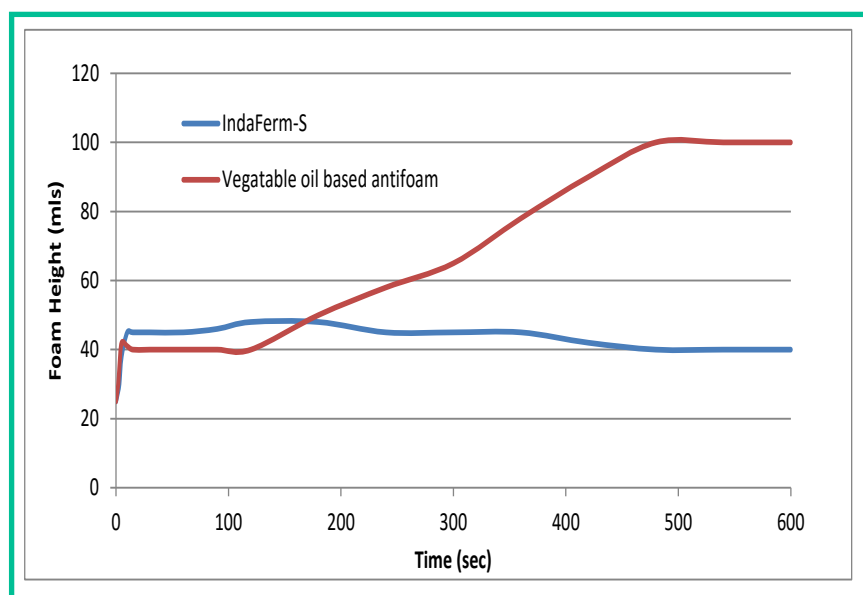
Specific Gravity (25°C)	1.0
Appearance	Translucent grey viscous liquid
Recommended diluent	Vegetable oil

Technical Service

Our technical and sales staff have considerable experience of the use of silicone products in a very wide variety of industries and the benefit of this experience is freely available to all our customers.

Performance Test Data

Laboratory antifoam test carried out using 35% fermenting molasses test substrate



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