



**PRODUCT NAME: ANTIFOAM FD20PK**

**PRODUCT CODE: AFOAMP**

**COMMODITY CODE: 39100000**

**COUNTRY OF ORIGIN: UNITED KINGDOM**

**PACKAGING: 5 LITRE BOTTLE; 25 LITRE DRUM**

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## **TECHNICAL INFORMATION SHEET**

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### **ANTIFOAM FD20PK - FOAM CONTROL**

#### **Description**

Antifoam FD20PK is a silicone based emulsion which has been developed for brewing and food processing and other applications where a quick knockdown of foam is required.

#### **Benefits**

- Available in easy-to-use emulsion form
- Controls overfoaming at wort boiling and fermentation with minimum addition as a processing aid
- Enables higher rates of evaporation while wort boiling
- Provides better control of spirit distillation
- Prevents loss of hop bittering substances
- Improves Alpha-acid utilisation
- Prevents expensive wort losses and unhygienic spillages
- Maximises CO<sub>2</sub> recovery
- Increases fermentation capacity

#### **Principle**

Antifoam FD20PK is an effective silicone based surface agent which prevents foam formation by reducing surface tension. It is classed as a processing aid because of its feature of being completely removed from beer by normal processing. It is absorbed onto the surface of the yeast and filter media.

Antifoam FD20PK has no adverse effect on beer foam or flavour stability.

#### **Application**

Antifoam FD20PK disperses easily in both hot and cold aqueous systems, requiring only mild agitation to disperse it completely in the foaming system.

Antifoam FD20PK is effective in a wide variety of brewing and other fermentation processes, particularly in mashing, wort boiling, fermentation and maturation.

#### **Rates of Use**

For maximum efficiency and economy we recommend the antifoam be diluted with water before use, in the ratio of one volume of Antifoam FD20PK to nine volumes of cool water, the water being added slowly to the antifoam with continual 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 and 500 mg/litre (ppm) of the diluted product is all that is required (500 mg/litre = 0.5 litres per 1000 litres (of foaming media).

#### **Guidelines for use**

- Check that the product is within its shelf life before use
- Experiment with additions to determine the minimum effective rate
- Read the Material Safety Data sheet prior to use

## Specification

COMPOSITION	20% polydimethylsiloxane emulsion, stabilised with potassium sorbate
APPEARANCE	Off white, viscous emulsion
ODOUR	Slight characteristic odour

### Analysis

Specific Gravity (20°C)	1.000
Solids Content (%)	23-28
Polydimethylsiloxane (%)	>20
pH	3.5-5.5
Bacteriological –Total Count	< 1 cfu/ml

### Maximum Limits of Impurities

As (ppm)	3
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## Regulations

This product is manufactured using ingredients acceptable for use under UK, US & European food regulations, meeting the requirements of Directive 2008/84/EC.

## Technical Support

For Health & Safety information on this product, please see the Safety Data Sheet (SDS)

For support and advice on the use of this product, please call or e-mail our Technical Support:-

Telephone:- + 44 (0)115 978 5494

[techsupport@murphyandson.co.uk](mailto:techsupport@murphyandson.co.uk)

For up to date information regarding, Kosher, Halal, Vegetarian, GMO status, or anything not mentioned on this tech sheet please email:-

[compliance@murphyandson.co.uk](mailto:compliance@murphyandson.co.uk) or call +44 (0)115 978 5494

## Storage & Shelf life

- Store in cool conditions, away from direct sunlight
- Keep containers sealed when not in use
- Storage temperature should be below 32°C and ideally should not be allowed to freeze
- The shelf life at the recommended storage conditions is 12 months from the date of manufacture. If you wish to use the product after this time please contact us for approval.

## Reference

PRODUCT	ANTIFOAM FD20PK	PRODUCT CODE	AFOAMP
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