DRIFOAM (PGA511)

Drifoam is a powder form of propylene glycol alginate produced by the esterification of alginic acid. It is designed to give a trouble free method of enhancing and protecting beer foam.

Many years of development have been undertaken to identify both the ideal blend of seaweed species required to yield alginic acid of the necessary quality, and to optimize the critical esterification stage.

The resulting Drifoam is free from the technical problems associated with the less technically refined products on the market.

PRINCIPLE

Drifoam stabilizes beer foam in two ways. Firstly by actively interacting with foam positive, hydrophobic beer polypeptides, and secondly by reducing the impact of foam negative factors.

This latter effect explains the positive role Drifoam also plays in protecting beer foam from external contamination, particularly from grease and detergents.

BENEFITS

Enhances and protects beer foam.

QUICK NOTES

BENEFITS

Stabilizes beer foam by interacting with foam positive proteins

Reduces impact of foam negative factors

Protects beer foam from external contamination

TREATMENT RATES

40-60 mg/L

APPLICATION

Added to beer via a 1% w/v solution after filtration

ADDITIVE - TECHNICAL DATA SHEET

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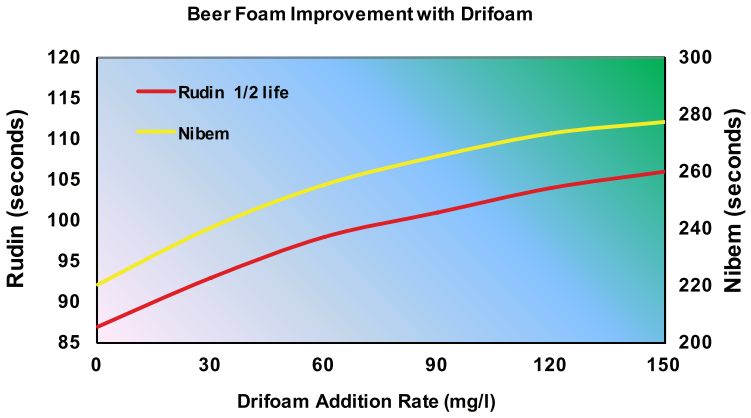
TREATMENT RATES

The optimum treatment rate varies from beer type to beer type but typically will be in the range 40 – 60 mg/litre.

Beer foam can benefit from higher addition rates than these, particularly when reduced levels of malt are used in the grist.



APPLICATION

Drifoam is added to beer via a 1% w/v solution, immediately after filtration. Care must be taken in the preparation of this solution.

Drifoam is a very hygroscopic powder and if added to water too quickly it will form lumps. To avoid this, high speed mixers are required; the powder should be added slowly, directly into the vortex.

Drifoam solutions can be prepared over a temperature range of 4ºC to 40ºC. Normally lower temperatures should be used, but higher temperatures can aid dissolving and help compensate for poor mixing equipment.

Large solution volumes may need to be mixed for up to 2 hours. It is important to check the solution before use to ensure the powder is completely dissolved.

A simple in-line filter is a useful addition, as it ensures that no undissolved powder is added to beer. A screen size of 1,000 micron is adequate for the purpose.

The prepared solution should be used within 2 days. The addition of sulphur dioxide up to 200 mg/litre, via potassium or sodium metabisulphite, will help improve microbial stability.

BREWING PRACTICE

Drifoam is a well-accepted brewing aid used extensively throughout the world.

Beer treated with Drifoam has characteristic attractive foam, which is maintained even under less than ideal serving conditions.

REGULATORY

Drifoam meets the requirements of the Food Chemicals Codex.
Drifoam (E405) is an authroised food additive under Regulation 1333/2008 (as amended) which permits E405 to be added to beer to a maximum of 100mg/litre

UK and EEC
Permitted in beer under Council Directive: 95/2/EC to a maximum of 100 mg/litre. E 405

Australia and New Zealand
Permitted food additive under Food Standards Code of Australia and New Zealand Code 1.3.1 Schedule 15

CONTACT US

For more information, please visit us at **www.lallemandbrewing.com**

For any questions, you can also reach us at **abvickers@lallemand.com**