

World Leaders in Foam Control



DISPELAIR®

DISPELAIR® DEFOAMERS FOR WASTE WATER TREATMENT

Wastewater treatment is the process of converting waste water, which is water no longer needed or suitable for use, into effluent that can be either returned to the water cycle with minimal environmental impact or reused.

Typically waste water treatment processes consist of a series of stages, both mechanical and biological, which clean the water and remove contaminants. Foaming issues can arise during these stages due to presence of surface active/foam stabilizing chemicals in the wastewater. Pumping, aeration and evolution of biological gases from digestion processes can lead to foam formation within the waste water treatment plant affecting plant efficiency.

Blackburn Chemicals offer a range of antifoam products for waste water treatment applications suitable for aerobic and anaerobic digestion, clarification and settlement.

Aerobic Digestion

Dispelair® Product Code	Type of Chemistry	Appearance	Comments
CF49	Mineral oil based	Opaque amber liquid	General purpose for starch and surfactant foam
DP139	Mineral oil based	Clear amber liquid	Very effective on starch/protein stabilized foam
SE81A	Silicone emulsion	White emulsion	Effective on surfactant based foam
WT831	Silicone emulsion	White emulsion	Very effective on surfactant based foam
CF929	Alkoxane emulsion	White emulsion	General purpose for starch and surfactant foam

Products do not encourage growth of filamentous bacteria.

Anaerobic Digestion

Dispelair® Product Code	Type of Chemistry	Appearance	Comments
DP681	Polyglycol ester based	Clear, yellow liquid	Highly effective in anaerobic digesters
DP104	Polyglycol ester based	Clear, yellow liquid	Effective in anaerobic digesters
DP296	Alkoxane based	Clear, colourless liquid	Highly effective in anaerobic digesters

Products do not encourage growth of filamentous bacteria.

Clarification / Settlement

Dispelair® Product Code	Type of Chemistry	Appearance	Comments
DP150	Alcohol emulsion based	White emulsion	Settlement aid in clarifiers below 35°C
DP592	Alcohol emulsion based	White emulsion	Settlement aid in clarifiers at 35 – 50°C
DP594	Alcohol emulsion based	White emulsion	Settlement aid in clarifiers above 50°C

Very effective deaerators aiding sludge settlement in clarifiers. Products do not encourage growth of filamentous bacteria.

All Dispelair® products are Alkyl Phenyl Ethoxylate (APE) free.

Handling / Application

Dispelair® antifoams should be dosed continuously, as received, directly to the system, via a suitable metering pump. Addition points & dosage level should be ascertained by trial, however addition points which ensure good dispersion of the antifoam are preferable.

Products are effective at low addition rates with typical dosage levels in the range of 5-20ppm.

Further information on individual products, such as regulatory, specifications and National Inventory Status can be found on the Product Information Datasheets. Available on request.

For further information or samples please contact:

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