

deconex® 31 ANTIFOAM

Special antifoam agent

For use in laboratory washing machines



Application

This special antifoam agent can be used whenever the contamination which has to be removed tends to produce foam e.g. emulsifiers, soaps and contamination rich in protein. deconex® 31 ANTIFOAM serves to reduce foam mainly in thin, liquid and watery solutions containing wetting agents. The product is applicable in any pH range. Remarkable is its resistance to alkaline medium.

deconex® 31 ANTIFOAM can directly be added to the liquid which has to be defoamed. Preferably at a point of considerable turbulence to achieve a rapid distribution of the antifoam agent in the washing machine and to ensure a stable solution at the required concentration.

If the antifoam agent is used in a diluted form, we recommend to prepare a solution of 5 - 10 % in water. Such a solution should only be prepared immediately prior to use. In such cases, pour the antifoam agent into 10 to 20 times its own volume of water and stir several times.

Very fine and stable emulsions can be produced by using water at approx. 60 °C. Stock solutions with almost unlimited stability can be prepared in isopropylalcohol with a concentration of 10 - 20 % of deconex® 31 ANTIFOAM.

Properties

deconex® 31 ANTIFOAM is anionic, non-volatile and chemically neutral. Used in the recommended concentration it has no adverse effect on the commonly used apparatus materials. In water, the product produces relatively stable emulsions. deconex® 31 ANTIFOAM is soluble in most organic solvents but becomes slightly cloudy.

deconex® 31 ANTIFOAM exhibits a thixotropic behavior and can solidify with time to a waxy consistency. By stirring, shaking, or by any other mechanical impact the product can be returned to a fluid consistency.

Dosage

In general, the concentration required will be at 0.05 - 0.3 %, in exceptional cases as high as 0.5 %, in respect to the volume of washing solution to be treated. The quantity of the antifoam agent depends very much on the actual situation. Best results are obtained by individual experiments.

Ingredients

A mixture of fatty acid esters and higher hydrocarbons with carbonic acid salts.

Availability

Please ask your local representative about current container sizes.

Containers, screw caps and labels are made of recyclable polyethylene.

Additional information

This product is thixotropic. Shake well before use.

For information concerning safety at work, storage and waste disposal/effluent, please consult the corresponding safety data sheet.

Take advantage of our vast know-how! Please, contact us for further information regarding your specific application.

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