



KIMIA URANUS co.

CHEMICAL SPECIALTIES

KUF-100[®]

KUF-100 is a yellowish oily liquid based on high quality antifoaming materials. It is intended for use in the yeast, alcohol, and antibiotics industries for the control of foam formation in the production process.

CHEMICAL COMPOSITION

KUF-100 is a blend of esters of high fatty acids and polyols.

TYPICAL PROPERTIES

Appearance	Yellowish oily liquid
Solubility in Water	Soluble in cold water, forms a stable emulsion
Specific Gravity	0.98 – 0.99 at 20 °C
pH	approx. 6 (in 10% aqueous solution)
Storage Life	Stable when stored under normal warehouse conditions

APPLICATIONS

Foam is an unavoidable accompanying phenomenon in all of fermentation processes. It is produced by the fermentation process itself. Foam increases the contact surface of the gas-liquid and in this manner it is favorable for the better conveyance of oxygen.

The foam height, i.e. the amount of foam, however, must be controlled because otherwise due to the increase in volume spillage of the fermenting mass could occur.

KUF-100 is an antifoaming agent that controls foam formation through the break down of foam bubbles by lowering the surface tension and inhibits further formation of foam by affecting the inter-molecular forces of the media. KUF-100 can be applied in all processes in the production of yeast, alcohol, and antibiotics using automatic or manual feeding, in the form of a concentrate or an emulsion with water. The required amount of KUF-100 in the fermentation process significantly varies according to the mode of operation.

SHIPPING INFORMATION

KUF-100 is supplied in 220 liter, non-returnable steel or plastic drums, each drum containing 180 kg product net.

The information stated here is based on our tests and is believed to be reliable. It is offered in good faith for guidance only and it should not be considered as a guarantee.

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