



# KIMIA URANUS co.

CHEMICAL SPECIALTIES

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## KUC-20<sup>®</sup>

KUC-20 is a specially formulated antifoam for use in beet sugar processing. It permits effective and economical foam control in the process of diffusion, liming, carbonation, filtration, evaporation, crystallization, purging and handling of juice, syrup and molasses. It is effective in both sugar factories and in molasses desugarization (Steffen House) plants.

### CHEMICAL COMPOSITION

KUC-20 is a combination of special surfactants, esters of fatty acids, and non-aggressive carriers. Every ingredient in KUC-20 has been cleared for use in beet sugar processing by the US Food and Drug Administration.

### TYPICAL PROPERTIES

Appearance	Yellowish liquid at room temperature
Solubility in Water	Forms a stable emulsion with mild agitation
Specific Gravity	0.9515 at 25 °C
Pour Point	> 0 °C
Storage Life	No deterioration on prolonged storage

### APPLICATIONS

Feeding Solution – As experience has shown when one part KUC-20 is added to 10 parts of water (at over 25 °C) and stirred with mild agitation, a stable and effective feeding emulsion will be formed. This emulsion can be added at any point of addition by means of a dosage pump or other conventional dosage devices such as plastic or metal containers with adjustable dropping taps.

Points of Addition – KUC-20 can be added into all kinds of diffusion systems. For the most economical method the feeding solution should be added before foaming becomes excessive rather than wait until the concentrated foam has formed.

Dosage Determination – Since foaming conditions vary in different environments, each factory should determine its own minimum amount of antifoam (feeding emulsion) required for an economical foam control. This is usually done by increasing or decreasing the rate of addition until the desired level of usage is attained. Any excess usage of antifoam is generally without benefit.



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### Facts About KUC-20:

1. It can be used as supplied or diluted with 1-10 parts water.
2. Unlike fats and some other antifoams, KUC-20 does not form any deposits that smear or block filter cloths.
3. Due to the strong antifoaming activity of its feeding emulsion, KUC-20 is very economical.

### SHIPPING INFORMATION

KUC-20 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.*