

SPAK ORGOCHEM (INDIA) PVT LTD

(Govt. Approved Export House)

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SPAK DD-40 (CONC) DEFOAMING SOLUTION FOR DISTILLERIES

Foam can be a disaster in fermentors because it frequently results in loss of production. In a biotechnology system the conditions for foam production are always potentially present. Many organisms generate proteins, which are released into the surrounding medium. The proteins and the CO₂ liberated generate foam in the fermentation system. SPAK offers a specially developed product SPAK DD-40 (Conc) a blend of an antifoam and defoamer to suppress this foam.

SPAK DD-40 (Conc) is a blend of an anionic surfactant and a fatty acid ester. The former acts as a defoamer i.e. kills the foam formed and the latter acts as an antifoam i.e. reduces foam formation tendency.

The product very well suits the fermentation system and has no adverse effect on yeast vitality and cell count. It is fully biodegradable and will not pose any problem in the effluent treatment plant. The fatty acid ester has a high molecular weight and will not distil off and contaminate the end product.

Application:

A 6-7% solution of SPAK DD-40 (Conc) is very effective. SPAK DD-40 (Conc) forms a stable emulsion up to 10%. SPAK DD-40 (Conc) being very effective works at a very low dosage, one fifth of the currently used soap sulfonates. This gives an indirect saving due to less handling, less man-hours and less skill monitoring.

Properties:

<i>Appearance</i>	: <i>Amber to brown liquid</i>
<i>Chemical nature</i>	: <i>Select blend fatty acid ester and Sodium salt of sulfated ester.</i>
<i>Acid Value</i>	: <i>10 max.</i>
<i>Sap Value</i>	: <i>120 min.</i>
<i>% Solid</i>	: <i>72-78</i>
<i>pH 1% solution</i>	: <i>6-8</i>