

# AMTicide® VAF

## Formulation Guidance

### Manufacturing Procedure (Laboratory Scale)

#### Emulsion Systems:

1. Incorporate AMTicide® VAF into formulations at a pH between 3 and 8 during the cooling phase of the process at temperatures lower than 70°C.

#### Surfactant Systems:

1. AMTicide® VAF is nonionic and would be compatible in anionic, amphoteric, nonionic, and cationic systems.
2. If viscosity loss is experienced, a thickener should be increased or added to aid with the loss.

#### Gel/Aqueous Systems:

1. AMTicide® VAF has excellent compatibility in anionic, cationic and nonionic gel/aqueous systems when added towards the end of the formulating process after the formulation has cooled to below 40°C.

#### Application Ideas:

1. AMTicide® VAF is suitable for O/W emulsions, W/O emulsions, and aqueous systems.

#### Formulation Advice:

##### Use Level

Our best recommendation is to start with 1.0% AMTicide® VAF if no other antimicrobial active or preservative system is present.

#### AMTicide® VAF

Code: FSSM14004

INCI Name: Bacillus Ferment &  
Saccharomyces Ferment Filtrate  
CAS#: 92128-81-9 (or) 68582-99-0 &  
8013-01-2

EINECS#: 295-779-9 (or) N/A & 232-387-9

Suggested Use Levels: 1.0% Maximum

Solubility: Water Soluble

Appearance: Hazy Liquid

pH Stability: 3 - 8

