

AGITAN[®] 290

TECHNICAL INFORMATION

Special defoamer for aqueous systems

Composition:	Blend of alkoxyated, nonionic compounds	
Appearance:	liquid	
Colour:	yellowish	
Typical Properties:	Active ingredients:	approx. 100 %
	Consistency:	medium viscosity
	Density at 20°C:	approx. 1.02 g/cm ³
	Flash point:	above 180 °C
	Solubility in water:	easily dispersible, results in an unstable emulsion
	pH (2% in dist. water):	approx. 7

This information is intended as a guideline only and should not be used to issue specifications. Slight deviations do not affect application and capability of the product. For specifications please consult the Certificate of Analysis.

Properties/applications: AGITAN 290 was developed specifically for defoaming of polyvinyl-alcohol (PVA)-solutions and highly acidic media (pH 0.5). Colour and transparency of PVA films are not affected by the defoamer. In acidic decalcifying and cleaning agents foam is reduced significantly by AGITAN 290 allowing faster and more thorough working. AGITAN 290 is absolutely silicone-free and ashless. It is very persistent in acidic media and effective from room temperature up to 95 °C.

Main applications:
- Polyvinylalcohol-solutions
- Acidic cleaners and decalcifying agents

Recommended levels/use:

1. Defoaming of Polyvinylalcohol:
For most efficient de-aeration AGITAN 290 should be added at the beginning of the manufacture of PVA-solutions. Post addition of AGITAN 290 to PVA-solutions is also possible. Normal dosage is 1 %, based on solid PVA.
2. Defoaming of acidic cleaners and decalcifying agents:
Generally 5 - 10 % AGITAN 290 on finished acid mixture are added.
For manufacture of emulsions it is necessary to add AGITAN 290 to the water phase.

Storage/handling: AGITAN 290 is not sensitive to freezing. For better handling it should be stored between 15 and 25 °C. The minimum shelf life in closed containers is 15 months from the date of manufacture.

Packaging: Totes holding 950 kg net, drums holding 150 kg net and kegs holding 25 kg net.