

Supplier - SMART OIL

## FoamQuer 9936

Concentrate & Tankside Additive

High Performance Water-Based Defoamers

### Typical Properties

Appearance	Translucent White To Light Yellow Liquid
Specific Gravity @ 25°C	1.000 - 1.100
Vis. @25°C, cp	80 - 400
Solid Content, %wt.	> 80
pH Value (50% Water Dilution)	7.0 - 8.5

### Product Description

**FOAMQUER 9936** is a compound of modified-siloxane emulsion containing highly concentrated components with optimal hydrophobic and hydrophilic balance; which accommodates the otherwise contradicting targets of the defoaming performance and system compatibility. The product is suitable for various industrial fluids such as cleaners, cutting fluids, and for the application in paint spray booths.

**FOAMQUER 9936** has a strong dispersion performance to maintain a clear system, which is specially suitable for synthetic. It can be used in soluble oils and semi-synthetic, and also with good performance in high-shear machining conditions.

**FOAMQUER 9936** possesses low surface tension with high spreading coefficient; and appropriate droplet size to rupture foam cell lamellas; which results in fast foam collapses.

**FOAMQUER 9936** is significantly cost-effective when compared to traditional PDMS-based or siloxane polyether-based defoamers. Apart from the fast foam knock-down characteristic, it possesses good washing property against the wetting defects of craters or fisheyes formation on the surface of the workpiece, so it is suitable for secondary processing like paint spray. By virtue of its unique molecular structure, the product is readily dispersible in water dilutable systems to maintain a clear system. It is not prone to self-agglomeration during usage and storage, so can ensure the passage in the system pipes.

**FOAMQUER 9936** can also be used as tankside additive in water dilutable systems.

### Recommended Starting Dosage Level

The recommended dosage range is 0.05 - 0.2% (500 - 2000ppm). However, the optimal dosage depends on system formulation. For tank-side addition, recommended starting dosage is 0.005% (50 ppm).

### Storage and Use Condition

- Always mix thoroughly before use, as phase separation will occur after long storage time;
- Storage under normal temperature up to 60°C;
- Should be placed in closed container within shaded and ventilated area; do not expose to direct sunlight, and away from heat sources.

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