

Supplier - SMART OIL

FoamQuer 1030

*Concentrate & Tankside Addition
High Performance Water-Based Defoamers*

Typical Properties

Appearance	Milky White Liquid
Specific Gravity@25°C	0.960 - 1.060
Viscosity@25°C, cps	750 - 1100
pH Value (50%Water Dilution)	6.0 - 9.0
Non-volatile Content, %	15 - 40

Product Description

FOAMQUER 1030 is a polydimethylsiloxane polymer based liquid defoamer containing highly non-volatile composition, which is specially formulated for concentrates of various industrial fluids such as cleaners and cutting fluids, and for applications in paint spray booth.

FOAMQUER 1030 possesses defoamer characteristics of low surface tension, insoluble in foaming medium, and have good spreading coefficient; which made it performing well in most of the water-based systems.

FOAMQUER 1030 is a highly cost-efficient product than traditional siloxane polyether defoamers. It works well in a working environment with pH higher than 12, and under high shear machining conditions. It can minimize the tendency of corrosion on the workpieces, which will lead to the fisheyes or craters on the surface of workpieces.

Apart from tankside addition, **FOAMQUER 1030** can also be incorporated into water-based coolant concentrates such as soluble oils or semi-synthetic systems; which can easily be dispersed well in the systems, and less prone to phase separation.

Benefits:

- Fast knock-down capability in extensive water-based systems;
- Good performance even under very high pH environments;
- Possesses long term efficacy;
- Minimal surface defects on the workpieces; like fisheyes or craters;
- Working well in high-shear conditions.

FOAMQUER 1030 is biologically stable and environmentally friendly. It will not react with the compounds in the sewage plants, and will be attached to the sludge for further biological degradation. Hence, disposal treatment of the coolants can be more easy.

RECOMMENDED STARTING DOSAGE LEVEL

The dosage level can be in the range of 0.2% to 1% for system concentrates. The exact optimal dosage depends on system formulations. For tank-side addition, recommended starting dosage is 50ppm.

STORAGE CONDITIONS

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

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