

Supplier - SMART OIL

## FoamQuer 1020

Concentrate & Tankside Additive

High Performance Water-Based Defoamers

### Typical Properties

Appearance	Milky White Liquid
Specific Gravity@25°C	0.960 - 1.060
Viscosity@25°C, cps	150 - 500
Non-Volatiles Content, %	15 - 40
pH Value (50% DI Water Dilution)	6.0 - 9.0

### Product Description

**FOAMQUER 1020** is a polydimethylsiloxane polymer based liquid defoamer containing highly non-volatile composition, which is specially formulated for the concentrates of various industrial fluids such as cleaners and cutting fluids, and for applications in paint spray booth.

**FOAMQUER 1020** possesses defoamer characteristics of low surface tension, insoluble in foaming medium, and have good spreading coefficient; which made it perform well in most of the water-based systems.

**FOAMQUER 1020** 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 1020** can also be incorporated into water-based coolant concentrates such as soluble oils or semi-synthetic systems; which can easily be dispersed of as it is an environmental-friendly and chemically-stable product; that will not undergo chemical reaction with compounds in waste treatment plants.

#### 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 1020** 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 70ppm.

#### 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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