



Technical Data Sheet

SAFRAXTREME LF38

Product Description

SAFRAXTREME LF38 is a unique low foam polyalkylene glycol base fluid that is especially recommended as component for formulating semi-synthetic and synthetic water-based metalworking fluids. Formulations containing **SAFRAXTREME LF38** can offer the unique property of inverse solubility in which the high temperatures generated at the interface of the tool piece and metal substrate leads to the polymer momentarily coming out of solution and forming a lubricating coating at the interface. Lubricating performance synergies are also known with PAG metalworking fluids that also contain extreme pressure additives on.

Applications

SAFRAXTREME LF38 is especially recommended for formulating low foam synthetic metalworking fluids for difficult to machine alloys such as heavy duty machining of stainless steel where cooling and lubrication performance are critical. Formulations containing **SAFRAXTREME LF38** can provide excellent tramp oil rejection and offer much longer service life than soluble oils.

Features & Benefits

- Very Low Foaming Characteristics
- Good Swarf Separation
- High Level of Lubrication
- Improves Surface Finish on Soft Aluminum Alloys
- Improves tool Life
- High V.I. Polymer
- Promotes good tramp oil rejection
- Excellent heat transfer properties

Typical Data

Form	Liquid
Appearance	Colorless clear
Cloud Point, C, 10%in25%BDG	38°C Typical
Pour Point	-30°C
pH, (1% aq)	7.10
Dynamic viscosity, @ 25C, CP	390
Denisty@ 20 °C, g/cm3, ASTM D1298	1.0372