

Typical Properties

Appearance	Clear Dark Amber Fluid
Specific Gravity@15.6°C	0.970
Density,lb/gal	8.11
Viscosity@100°F(210°F),SUS	2000 (75)
Neutralization Number,meqHCl/g	4.0
Std Packaging (NW / GW, Kg)	212.0 / 195.0

Product Description

EMULAMID FO-5DF is a DEA-free fatty amide designed for incorporation into most water dilutable metalworking products.

EMULAMID FO-5DF, in addition to corrosion inhibition, provides enhanced boundary lubricity and metal wetting characteristics to the finished coolant. Also enhanced hard water stability can be achieved with this product compared to the conventional DEA-containing amides.

EMULAMID FO-5DF is recommended at treat levels of 5 - 10% in semi-synthetics and synthetic fluids. Higher treat levels (10 - 20%) are recommended for water soluble drawing compounds.

In these applications, **EMULAMID FO-5DF** produces an elevated viscosity characteristic and high film strength when the finished product is inverted with water, (water added to product), prior to the drawing operation. Seasonal variations in raw materials may slightly alter **EMULAMID FO-5DF's** appearance and sensitivity to cooler temperatures. Under cooler environments, gelling or solidification may occur. Gradual warming of the material will return the product to the typical homogeneous fluid appearance.

Applications

Semi-synthetic / Synthetic Fluids
Soluble Drawing Fluids(Inverted)

Suggested Treat Rates, %wt

5 - 10
10 - 20

Print date: 29-04-24

Disclaimer: Information provided by this website and product page including specifications, applications and formulations are based on tests and data supplied by Smart Oil companies, manufacturers or any of our collaborated companies or suppliers, which are believed to be correct and reliable at the time of writing and data update. However, Smart Oil companies, manufacturers or any of our collaborated companies or suppliers make no warranty or responsibility, express or implied, of any kind regarding products, performance, formulations or applications, as operation conditions and application environments are beyond our control, or products will be modified by action of manufacturers or due to change in market environments. Users are herewith expressly requested to conduct test to determine the suitability of our products or product information before use. Furthermore, we regret that we cannot be responsible for informing customers any changes in specifications, formulations, or other technical contents on this website and product page. Also, We hereby state that all product trademarks other than Smart Oil, including trademarks from our , suppliers are the trademarks belong to the respective companies, or from their sources.