Supplier - SMART OIL

SmartLub 3699

Self Emulsifing Ester of TMP

Water-Based Lub Anti-Rust Co-Emulsifiers

Typical Properties

Appearance	Clear Light Yellow Liquid
Specific Gravity@25℃	0.900 - 1.000
Neutralization Value, meqKOH/g	< 5
pH Value (5% Water Dilution)	7.0 - 8.0
Refractive Reading (5% Water Dilution)	NA
Viscosity@40℃, cSt	40-60

Product Description

SMARTLUB 3699 is a self-emulsifying ester of trimethylolpropane designed to be incorporated into water-based products such as soluble oils, semi-synthetic and fully-synthetic coolants for steel milling and metalworking processing.

SMARTLUB 3699 has unique metal affinity molecular structure that can adhere tightly onto the metal surfaces even at elevated temperature. The good boundary lubricity and metal wetting characteristics can effectively reduce oil smoke or oil spray evolved during machining.

SMARTLUB 3699 processes strong dispersibility, thermal and hydrolytic stabilities that make it good for used in the formulations of water-based coolants with heavy duty applications.

SMARTLUB 3699 is a multifunctional additive that can save the addition of other additives such as corrosion inhibitor, biocide or emulsifiers in the same system. Hence, the chances for skin irritation or irritation of the air passage to the workers can be reduced.

SMARTLUB 3699 is a biodegradable product that is good to the environment.

Applications	**Suggested Treat Rates, %wt**
General Application	5 - 10
Drawing Fluids	10 - 20

Print date: 04-09-26

***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 expressively 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.*