

Supplier - FUNCTIONAL

CA-447*Coupling Agent (Food Grade)**Specialty Packages & Additives*

Typical Properties

Appearance	Clear Colorless Liquid
Odor	Mild or None
Specific Gravity	0.910
Density, lbs/gal	7.7
Flash Point, °C (°F)	135 (275)
Kinematic Viscosity@40°C, cSt	12

Product Description

White mineral oil, widely used in food-grade lubricants, is generally a poor solvent for polar lubricant additives, such as antioxidants and anti-wear additives.

FUNCTIONAL CA-447 is an additive that is used to increase the polarity of the food-grade lubricant to enable advantageous use of these other additives. It can also be used to impart rubber-swelling properties to food-grade lubricants, to minimize seal shrinkage and leakage.

COMPOSITION

The active ingredient in **FUNCTIONAL CA-447** is a mixture of esters. These and the food-grade diluent oil have both been certified by their manufacturers to be suitable for use as lubricant components where incidental contact of the lubricant with food could occur, as described in 21 CFR 178.3570.

FUNCTIONAL CA-447 has been registered with the NSF and may be cited as a component when you submit your lubricant composition to NSF.

HANDLING

FUNCTIONAL CA-447 is an easily handled liquid and any convenient technique may be used for blending. Safe handling precautions are the same as those to be taken with the base oil; see the current Material Safety Data Sheet.

Applications

Rubber Swell

Suggested Treat Rates, %wt

≥ 4

Print date: 29-04-26

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 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.