

**Supplier - SMART OIL**  
**SmartLub 3550**  
*DIPA Amide of Tall Oil Fatty Acid*  
*Water-Based Lub Anti-Rust Co-Emulsifiers*

### Typical Properties

Appearance	Clear Amber Liquid
Specific Gravity@25°C	0.900 - 1.000
pH Value (5% Water Dilution)	9.0 - 10.0
Refractive reading (5% Water Dilution)	4.6 - 5.4

### Product Description

**SMARTLUB 3550** is an isopropanol amide-based co-emulsifier that process the characteristics of the emulsifying, wetting, lubricating, corrosion protection. The product is designed for using in the formulations of fully-synthetic, semi-synthetic and soluble oil.

**SMARTLUB 3550** has good lubricating and strong cleansing characteristics that is benefit for machining the yellow metals such as copper, aluminum alloy which the debris of the metal chips can be removed during processing. Hence, the machine and working environment can be kept clean.

**SMARTLUB 3550** contains no nitrite and diethanolamine, which can avoid the possible product of carcinogen of nitrosamine to be produced. Also, it will not get users skin and their mucous membrane stimulated.

**SMARTLUB 3550** has good alkalinity reserve property that can neutralize the acidic contaminants such as organic acids which are formed due to oxidation during processing at high temperature. Hence, the coolant life can be extended.

**SMARTLUB 3550** has strong co-emulsifying capability that can effectively stabilize the emulsion system. Additionally, it can also acts as viscosity builder, which is good to formulate the coolant for drawing and stamping processing.

### STORAGE CONDITION

- Storage temperature: From normal temperature to 60°C
- Storage condition: Product should be closed, placed in a ventilated place, no exposing to direct sunlight and away from heat source.

### Applications

Soluble Oils  
 Semi-Synthetic  
 Synthetic

### Suggested Treat Rates, %wt

5 - 10  
 5 - 10  
 1 - 5

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