

Supplier - SMART OIL

**SmartLub 3250***Diisopropanolamide**Water-Based Lub Anti-Rust Co-Emulsifiers*

### Typical Properties

Appearance	Clear Yellow Liquid
Specific Gravity@25°C	0.900 - 1.050
Neutralization Value, meqKOH/g	≤ 8
pH Value (5% Water Dilution)	9.5 - 11.0
Refractometer Reading (5% Water Dilution)	4.5 - 5.2

### Product Description

**SMARTLUB 3250** is a DEA-free fatty amide designed for incorporation into most water-based metalworking products.

**SMARTLUB 3250** 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.

**SMARTLUB 3250** is recommended at treat level of 5 - 10% in semi-synthetics and synthetic fluids. Higher treat levels (10 - 20%) are recommended for water soluble drawing compounds.

**SMARTLUB 3250** can produces an elevated viscosity characteristic and high film strength when the finished product is inverted with water(water added to product), it is good for the drawing operation.

#### **Applications**

General Application  
Drawing Fluids

#### **Suggested Treat Rates, %wt**

5 - 10  
10 - 20

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