



<b>Product</b>	<b>Type</b>
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**COOLSURF™ 2128      Metal Processing**

**2:1 alkanolamide from DIPA and TOFA**

**Application**

Coolsurf 2128 is a 2:1 modified alkanolamide from diisopropanolamine and tall oil fatty acid. It is enthanolamine free.

Coolsurf 2128 is an excellent co-emulsifier providing excellent oxidative stability, good boundary lubrication, high reserve alkalinity and excellent corrosion protection for soluble oils, semi-synthetics, synthetics and rust preventives.

**Typical Properties**

<b>Appearance</b>	<b>Clear, dark reddish viscous fluid</b>
<b>Specific gravity at 15.6° C</b>	<b>0.99</b>
<b>pH of a 1% solution</b>	<b>9</b>
<b>Total acid number, mg KOH/g</b>	<b>25</b>
<b>Total alkalinity, mg KOH/g</b>	<b>120</b>

**Benefits**

- Excellent co-emulsifier
- High reserve alkalinity and low foam
- Source of reserve alkalinity
- Thickener and viscosity building in water solution
- Water soluble and dispersible in oil

**Suggested Formulation Details**

- Soluble Oils: 5-8 % as a co-emulsifier, lubricant, corrosion inhibitor and alkalinity source for machining and forming operations
- Semi-Synthetics: 5-8 % as a co-emulsifier, lubricant, corrosion inhibitor and alkalinity source for machining and forming operations
- Synthetics: 5-10 % as a lubricant, corrosion inhibitor and source of reserve alkalinity in machining and forming operations
- Rust Preventives: 5% as a co-emulsifier and rust inhibitor

## Storage and Handling

Recommended Maximum Long Term Storage Temperature*	Ambient
Recommended Minimum Temperature for Use	Ambient
Flash Point	>190° C COC



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