

Product	Type
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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 ethanolamine 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

Appearance	Clear, dark reddish viscous fluid
Specific gravity at 15.6° C	0.96
pH of a 1% solution	9
Total acid number, mg KOH/g	25
Total alkalinity, mg KOH/g	140

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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11/1/2017