

Archine Syntrend MWF-2900**Metalworking Fluids****Product Description**

Archine Syntrend MWF-2900 metalworking lubricant is an anionic modified polyalkylene glycol which provides both hydrodynamic and extreme pressure lubrication. MWF-2900 is completely water soluble at ambient temperatures. At elevated temperatures it exhibits inverse solubility and is thus able to provide excellent lubricity at low concentrations in water. When MWF-2900 is compounded with alkanolamines, nonnitrite corrosion inhibitors, and biocides, synthetic coolants of exceptional performance and versatility can be produced. MWF-2900 is stable in hard water and is naturally low foaming. It is hydrolytically stable and resists bacterial attack.

Archine Syntrend MWF-2900 remains fluid to prevent the buildup of tacky or gummy residues. Unlike many synthetic extreme pressure additives, MWF-2900 is not selectively depleted from coolant systems. Thus, when used in a fully formulated product and properly maintained, MWF-2900 is capable of providing long-term, trouble-free service in recirculating central coolant systems.

FEATURES

- Provides Excellent Hydrodynamic and Extreme Pressure Lubricity
- eliminates need for lubricity modifiers such as phosphate esters or fatty acids
- allows heavy duty machining without the use of chlorine, sulfur, or phosphorous extreme pressure agents
- Compatible with Ethanolamines and most Amine-Based Additives
- Low Foam Tendency
- Unaffected by Hard Water
- Hydrolytically Stable
- Resists Microbial Attack
- Completely Water Soluble at Ambient Temperatures

Typical Physical Properties

Form	Clear liquid
Appearance	Straw-light to amber
Viscosity, 25°C ,cSt	2000-3800
Acidity MEQ/g	1.06-1.30
Acid Number, mg/g	59.5-72.9
Color, Gardner	0-5

Distributor Wanted

Shanghai PingYiao Trading CO., Ltd.

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ARCHINE

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Weight per Gallon at 20°C	9.011 lbs/gal
Specific Gravity at 20/20°C	1.083
Flash Point, Closed Cup	102°C (215°F)
Flash Point, Open Cup	252°C (485°F)

Suggested Starting Formulations – Cutting Fluid

Archine Syntrend MWF-2900	10-15%
Nonnitrite Corrosion Inhibitor	10-20%
Triethanolamine	20-25%
Biocide	recommended by manufacturer
Water	Balance

Dilute 10:1 – 50:1 depending on the severity of the operation

Suggested Starting Formulations – Grinding Fluid

Archine Syntrend MWF-2900	5-10%
Nonnitrite Corrosion Inhibitor	10-15%
Triethanolamine	15-20%
Biocide	recommended by manufacturer
Water	Balance

Dilute 10:1 – 50:1 depending on the severity of the operation

ENVIRONMENTAL ACCEPTABILITY

Archine Syntrend MWF-2900 is not expected to contain chlorine, sulfur, phosphorous, nitrite, or phenolic compounds. If MWF-2900 is neutralized with amines, corrosion protection should be enhanced only with nonnitrite corrosion inhibitors.

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