



Polartech® 6100 Conventional Emulsifier Package

Combined Emulsifier and Corrosion Inhibitor Package

Description

Polartech® 6100 is a high quality package to produce a range of traditional watermix mwfs with a high level of corrosion inhibition and stable emulsions.

Typical Applications

- Conventional Watermix metalworking fluids
- Watermix hydraulic fluids

Key Performance Benefits

- Excellent emulsification of paraffinic base oils
- Anionic and non ionic surfactant system
- Excellent corrosion inhibition
- Provides stable concentrates
- Cost effective
- Simplified fluid production
- Boron free formulations

Basic Blend Ratios

	%
Polartech® 6100	18-22
SN 150 Paraffinic Base Oil	78- 82

Typical Characteristics

Concentrate

Appearance	Dark Brown Fluid
Specific Gravity @20°C	1.00
Acid Value, mgKOH/g	33
Stability at Ambient / 40°C	Stable fluid

Typical Finished Product Characteristics

Concentrate

Appearance	Amber Fluid
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Emulsion

Appearance	White Opaque
IP287, % Break Point	4.0
pH at 5%	9.5
Stability at 200ppm CaCO ₃	White Opaque, Stable
Stability at 500ppm CaCO ₃	White Opaque, Stable

Storage

Store inside warehouse, ideally between 10°C and 30°C
Shelf life of 12 months from date of manufacture
Store out of direct sunlight
Avoid water collecting on barrel top

