

Polartech Superbase 004

Boron Technology Emulsifier Package

- Use** : Emulsifier and corrosion inhibitor package
- Applications** : Semi synthetic watermix metalworking fluids
High oil watermix metalworking fluids
Long service life watermix fluids
- Advantages** : Excellent emulsification
Anionic and non-ionic surfactant system
Excellent corrosion inhibition
Provides stable concentrates
Produces inherently stable emulsions
Cost effective
Simplifies fluid production
Matched to paraffinic base oils
Combines effectively with EP additives
- Concept** : A single package capable of producing a range of long service life fluids, utilising the highest quality additives capable of providing inherent stability in the finished products.

Typical Product Data

Appearance	:	Amber, clear fluid
Specific Gravity @ 20°C	:	1.07
Boron Content % wt	:	1.5
Total Alkalinity % wt KOH	:	13.0
Stability at 0°C	:	Stable, clear fluid
40°C	:	Stable, clear fluid

This does not represent a complete specification, full sales specification data will be supplied on request by Polartech Quality Assurance Department.

Health and Safety

Polartech Superbase 004 is free from nitrites, phenols, chlorine and PTBBA in accordance with international health and safety trends. For a full Material Safety Data Sheet please contact Polartech Limited.

Polartech Superbase 004 forms part of a comprehensive range of additives, if you require more information on this or any other product please contact Polartech Technical Department. This information is for guidance only. It is recommended that complete testing be carried out on all additives to determine their suitability for use in proprietary formulations.



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Formulatory Guidance

<u>Long Life Semi Synthetic Emulsion</u>		<u>% weight</u>
Superbase 004	:	50
Paraffinic Base Oil	:	45
Water	:	5
<u>Long Life Extreme Pressure Emulsion</u>		
Superbase 004	:	50
Paraffinic Base Oil	:	35
Water	:	5
Chloroparaffin	:	10
<u>Long Life Chlorine Free Extreme Pressure Emulsion</u>		
Superbase 004	:	50
Paraffinic Base Oil	:	35
Water	:	5
Polartech 9022 XP	:	10

These formulations are hypothetical only. The actual proportions will depend on the type of base oil. All manufactured materials have a specification range and again this will vary the proportions required to produce a stable product. If further guidance is required please contact the Polartech Technical Department.



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