

Polartech Superbase 013

Boron Technology Emulsifier Package

- Use** : Emulsifier and corrosion inhibitor package
- Applications** : High oil content watermix metalworking 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 naphthenic base oils
Combines effectively with EP additives
- Concept** : A single package capable of producing a small range of long service life fluids, of high oil content, which are extremely cost effective in use.

Typical Product Data

Appearance	:	Amber, clear fluid
Specific Gravity @ 20°C	:	1.05
Boron Content % wt	:	1.5
Total Alkalinity % wt KOH	:	10.0
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 013 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 013 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.



POLARTECH LIMITED

ASHBURTON ROAD WEST, TRAFFORD PARK, MANCHESTER M17 1SX, ENGLAND
TELEPHONE: 44 (0) 161 876 5673 FAX: 44 (0) 161 872 1922 email: company@polartech.co.uk

Polartech Superbase 013

Boron Technology Emulsifier Package

Formulatory Guidance

<u>Long Life Milky Emulsion</u>		<u>% weight</u>
Superbase 013	:	35.1
Naphthenic Base Oil	:	64.75
Antifoam	:	0.15
<u>Long Life Extreme Pressure Emulsion</u>		
Superbase 013	:	35.1
Naphthenic Base Oil	:	54.75
Antifoam	:	0.15
Chloroparaffin E45	:	10.0

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.



POLARTECH LIMITED

ASHBURTON ROAD WEST, TRAFFORD PARK, MANCHESTER M17 1SX, ENGLAND
TELEPHONE:44 (0) 161 876 5673 FAX:44 (0) 161 872 1922 email: company@polartech.co.uk