

Polartech BA 70 M

Boron Primary Amine Condensation Additive

- Use** : Corrosion inhibitor
- Applications** : Synthetic watermix cutting fluids
Semi synthetic watermix cutting fluids
High water based hydraulic fluids
Synthetic cleaning fluids
Fuel preservatives
- Advantages** : Extremely low foaming tendency
Compatible with hard water
Excellent ferrous corrosion inhibition
Synergistic effects with other corrosion inhibitors
Fluid residue formation
- Concept** : A high boron containing, high alkalinity additive to give maximum ferrous corrosion protection

Typical Product Data

Appearance	:	Pale yellow, clear fluid
Specific Gravity @ 20°C	:	1.24
Boron Content % wt	:	6.7
pH @ 1% Concentration	:	9.8
Total Alkalinity % wt KOH	:	56
IP 287 Corrosion Test %	:	1.5
DIN 51360, Part 2, %	:	
De ionised	:	1.0
200 ppm	:	1.0
DIN spec	:	1.0

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 BA 70 M 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 BA 70 M 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

The following formulation would typically form a general purpose, long service life semi synthetic metalworking fluid.

<u>Additive</u>	<u>% weight</u>
Polartech BA 70 M	12
Polartech MA 440 E	12
Naphthenic Mineral Oil	52
Polartech Morecide BTO	3
Water	12
Coupling Agent	3
Distilled Tall Oil	5
Copper Passivator	0.5
Antifoam	0.5

This formulation is hypothetical only. The actual proportions will depend on a variety of factors including the type of base oil, coupling agents and fatty acids. 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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