

Polartech 6000P

Conventional Emulsifier Package for the preparation of Watermix Cutting Fluids

Description

Conventional emulsifier package for the preparation of Watermix Metalworking Fluids. The additive package based upon anionic and nonionic surfactants, organic corrosion inhibitors and glycolic coupling agents provides emulsification, corrosion inhibition and bioresistance in the prepared Watermix Cutting Fluids.

Hydrocarbon Compatibility

Polartech 6000P has been specifically designed for use with Paraffinic base mineral oils, in particular 100 Solvent neutral. It is possible to prepare products using Naphthenic base oils following a suitable recommendation by the Polartech Technical Services Department.

Performance Characteristics

- * **Excellent Emulsification**
- * **Corrosion Inhibition**
- * **Provides stable, clear concentrates**
- * **Low foaming emulsions**
- * **Combines effectively with E.P. Additives**
- * **Cost effective**

Health & Safety

In accordance with international health and safety standard, **Polartech 6000P** does not contain any added Phenol, Sodium Nitrite, Sodium MBT, or PTBBA. Full MSDS is available on request.

Typical Data

Appearance	:	Brown Clear Fluid
Specific Gravity @ 20°C	:	1.00
Acid value, mg KOH/G	:	8.2
Stability at 0°C	:	Stable, Clear Fluid
40°C	:	Stable, Clear Fluid

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

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Formulation Recommendations

		% WT	
a)	Polartech 6000P 100 Solvent Neutral	20 - 80 -	Emulsion Type: off white, milky IP 287 Corrosion Test: 20/1
b)	Polartech 6000P Polartech NVL 100 Solvent Neutral	30.0 - 10.0 - 60.0 -	Emulsion Type: off white, milky IP 287 Corrosion Test: 20/1 Improved cutting performance
c)	Polartech 6000P 100 Solvent Neutral	50.0 - 50.0 -	Emulsion Type: pale ,semi trans IP 287 Corrosion Test: 40/1