

Polartech GFC 600 S

Boron Technology Synthetic Fluid Package

- Use** : Synthetic corrosion inhibitor package
- Applications** : Watermix grinding fluids
- Advantages** :
Excellent corrosion protection
Secondary amine free
Stable solutions in hard water
Very low foaming
Good fines separation
Inherently stable fluids
Minimum wheel glazing
Superb flushing action
Minimum residue formation
Multimetal compatibility
- Concept** : A versatile synthetic corrosion inhibitor to form the basis of a series of high performance grinding fluids allowing various levels of corrosion protection to provide cost effective fluids.

Typical Product Data

| | | |
|--------------------------------|---|---------------------|
| Appearance | : | Amber, clear fluid |
| Specific Gravity @ 20°C | : | 1.20 |
| Total Alkalinity % MEA | : | 25 |
| Stability at | | |
| -10°C | : | Clear, stable fluid |
| 0°C | : | Clear, stable fluid |
| 40°C | : | Clear, stable 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 GFC 600 S 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 GFC 600 S 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

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Formulatory Guidance

| | | <u>% wt</u> | <u>Appearance</u> | <u>IP 287</u> |
|---|---------------------|-------------|-------------------|---------------|
| A | Polartech GFC 600 S | 50 | Clear colourless | 40:1 |
| | Water | 50 | | |
| B | Polartech GFC 600 S | 60 | Clear colourless | 50:1 |
| | Water | 40 | | |
| C | Polartech GFC 600 S | 50 | Clear colourless | 45:1 |
| | Polartech PE 1090 | 10 | | |
| | Water | 40 | | |

(improved cutting performance)

These formulations are hypothetical only. 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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