



OPUS LUBRICANTS PRODUCT DATA

SYNOPSIS GRINDING FLUID GP

Description

High Calibre Fully Synthetic Grinding Fluid specifically for use in prevention of Cobalt Leaching. Synopsis Grinding Fluid GP is a High Performance synthetic metal process fluid which produces a translucent solution when diluted with water.

Synopus Grinding Fluid GP is a fully synthetic grinding fluid offering exceptional performance in most grinding operations. It is formulated using the latest technology and offers excellent corrosion protection, stable solutions, low foaming tendency, excellent fines separation and resistance to bacterial spoilage.

Synopus Grinding Fluid GP is designed for the prevention of cobalt leaching but also suitable for most ferrous and non-ferrous applications.

Features & Benefits

- Triazine free
- Secondary Amine free
- NP Ethoxylate Tendency.
- Low Foaming Tendency
- Multi-functional

Typical Data

Appearance:	Amber Liquid
Odour:	Sweet
Emulsion Appearance:	Micro – water white
pH @ 5%:	9.4
IP 287 Corrosion breakpoint:	2.0% (v/v)
Specific Gravity @ 20°C:	1.080
Loadbearing capacity (kg/mm ²):	1.225
Refractometer correction factor:	2.0

Recommendations

Synopus Grinding Fluid GP is designed to be mixed with water, it is suitable for use in soft and hard water types. It is designed for the prevention of cobalt leaching but is also suitable for most non-ferrous applications.



Recommendations ctd.

Mix emulsions of Synopus Grinding Fluid GP with water by adding concentrate to water and then mixing or use a suitable proportioning mixer unit. The use of an airline to mix the solution is not recommended. Machine top up may require a weaker dilution than the initial machine charge concentration, recommended concentrations can vary depending on operations, materials, tooling, coolant pressure and coolant flow. The above information is given for guidance. Please contact your representative for further advice.

Synopus Grinding Fluid GP is compatible with a wide range of materials used in the construction of machine tools.

Synopus Grinding Fluid GP should always be stored indoors and protected from frost.

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Ferguson & Menzies Ltd, 312 Broomloan Road, GLASGOW, G51 2JW

Tel: 0141 445 3555

E-Mail: info@fergusonmenzies.co.uk

Web: www.fergusonmenzies.co.uk