



OPUS LUBRICANTS PRODUCT DATA

SYNOPSIS EXCEL GRINDING FLUID

Description

Synopus Excel Grinding Fluid is a fully synthetic, water-mix grinding fluid that forms a true solution when diluted with water. Synopus Excel Grinding Fluid provides superior cooling and flushing characteristics, keeping grinding wheels 'open' and carrying debris away from the machining area. Synopus Excel Grinding Fluid provides excellent corrosion protection on both work piece and machines whilst minimising the build up of 'sticky' residues. Synopus Excel Grinding Fluid exhibits excellent biostability and anti-fungal properties.

Features & Benefits

- Minimises build up of 'sticky' residues.
- Excellent corrosion protection.
- Biostable.
- Resistant to fungal growth.

Typical Data

Appearance:	Green fluid
Emulsion Appearance:	True Solution
pH @ 5%:	9.2
IP 287 Corrosion Test %:	2.5% (v/v)
Specific Gravity @ 20°C:	1.09
Refractometer correction factor:	2.0

Recommendations

Synopus Excel Grinding Fluid is designed to mix with water, it is suitable for use in soft and hard water types. Maximum machining performance can be achieved at concentrations up to 5% however, the majority of operations will be completed with concentrations in the range of 3-4%.

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

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



May 2013

Ferguson & Menzies Ltd
312 Broomloan Road
GLASGOW
G51 2JW

Tel: 0141 445 3555

Fax: 0141 425 1079

E-Mail: info@fergusonmenzies.co.uk

Web: www.fergusonmenzies.co.uk