

ENOC SECTUS SM 700

PRODUCT DESCRIPTION

ENOC SECTUS SM 700 is a multipurpose high quality and high performance semi synthetic biostable metalworking fluid. Recommended for the machining and grinding on a range of materials both steel and non-ferrous metal. **SECTUS SM 700** provides high level extreme pressure and high strength lubricating film to handle most demanding machining operations.

APPLICATIONS

- ◆ Most Aluminium alloys, and low to high tensile steel as well as other metals for grinding, turning, drilling, sawing, milling, tapping, and reaming operation.
- ◆ Difficult machining operations such as gear cutting and boring of medium to high tensile steel
- ◆ High speed machining of ferrous and non-ferrous materials
- ◆ Centreless surface and cylindrical grinding of ferrous materials

DILUTION RECOMMENDATIONS

ENOC SECTUS SM 700 is preferred choice for grinding and for machining operations where cooling is of utmost importance. It is usually diluted at oil/water ratios ranging from 3 to 10 %. Running at or above 5% ensures better corrosion protection, protect tool and sump.

Note:

It is recommended to check the best concentration based on specific operation on-site testing.

Never use soluble oil emulsions for cutting Magnesium. Hot magnesium and water are a fire hazard.

BENEFITS

SECTUS SM 700 provides:

- ◆ Stable formula provides long life operation
- ◆ Superior hard water tolerance
- ◆ Compatible with Most Aluminium, steel alloys, cast iron and yellow metals
- ◆ Excellent machining performance across wide range of applications
- ◆ Fine emulsion promoting excellent wetting properties that reduce coolant carry off, clean tools and components
- ◆ Increase tool life and enhance surface finish
- ◆ Low foam tendency even in the most arduous machining.
- ◆ Renewable technology that provides environment friendly characteristics.

Caution: Flush the system well when moving from mineral oil to synthetic cutting oil

Technical Data*			
Properties	Test Method	Concentrate	Emulsion
Appearance	Visual	Dark green clear fluid	Pale green semi translucent
Density @ 29.5 °C, g/ml	ASTM D4052	0.97-1.00	--
Refractive Index correction factor	IHTP 001	1.0	--
pH @ 5% in DM water	IHTP 004	--	8.8-9.8
Total Alkalinity, % wt. KOH	IHTP 010	7.3-8.3	--
5% Emulsibility Stability @ 400 ppm hard water	IHTP 012	--	Stable, no oil separation
Corrosion break point, %	IP 287	--	3.0
Product Code		271011	

* The information prepared provides the typical properties that are considered as representative. Some variation which will not affect performance is possible

HEALTH AND SAFETY, ENVIRONMENT

The information on this product is available in the ENOC Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information we recommend you review the MSDS. Handled correctly there are no special precautions suggested.