



## PRODUCT & TECHNICAL DATA

# PRO ESTCUT 100

## Water-Miscible Metalworking Cutting Fluid and Coolant

### DESCRIPTION

Pro Estcut 100 is an emulsion-type metalworking fluid, mineral oil and ester-containing. It gives whitish medium-disperse emulsions suitable for rough and fine machining on aluminium, steel and cast materials. Applicable in low to medium water-hardness range, Pro Estcut 100 distinguishes by its excellent emulsion stability, requiring no post-preservation, generally. The oil content and the effective additive system provide good rust preventability, stable pH flow as well as good filterability.

### APPLICATIONS

#### Concentrations recommended for use:

Turning, drilling, milling	5 to 7 %
Sawing, reaming	7 to 10 %

#### Factors for concentration determination:

Refractometer	1.0
Acid split method	1.3
Acidimetric titration up to pH 4	0.80
Acidimetric titration up to pH 7	1.04

### FEATURES AND ADVANTAGES

- no biocide addition necessary under observance of the concentration stipulated
- excellent lubricity
- optimum machining results
- prolonged tool life
- good surface finish
- extreme coolant life
- low coolant supply due to good run-off properties
- very good anti-rust properties
- less foaming
- clean emulsions due to good filterability
- low skin irritation potential



## PRODUCT & TECHNICAL DATA

### PHYSICAL CHARACTERISTICS

<b>Appearance</b>	<b>Yellowish Concentrate</b>	
<b>Density @ 20 °C</b>	<b>DIN 51 757</b>	<b>Approx. 0935 g/cm</b>
<b>p/H value, 5% (after 24hrs in use)</b>	<b>DIN 51 396</b>	<b>Approx. 9.6 – 9.9</b>
<b>Corrosion protection test, 3%</b>	<b>DIN 51 360/2</b>	<b>Grade 0</b>

### GENERAL ADVICE

Further information on all Pro Oil SA lubricants is available from any Pro Oil SA office or from:

[www.prooil.co.za](http://www.prooil.co.za)

These characteristics are typical of current production.

Whilst future production will conform to Pro Oil SA's specification, variations in these characteristics may occur.

#### Health & Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Pro Oil SA representative.

The Pro Oil SA name and Pro Oil SA logo are trademarks of Pro Oil SA and are used under license.

Although all reasonable care has been taken to ensure that the information contained in this publication is accurate as at the time of printing, such information is nevertheless liable to variation in the event of changes occurring subsequent to the date of printing it: the blend formulation, methods of storage, or due to the improper handling or application of any of the products referred to, or in the requirements of any specification or approval relating to any of the products.

For more information contact:

Pro Oil SA  
Unit 1, Dale Park  
Killarney Gardens  
Cape Town  
South Africa  
7411

Technical Advice Line: (+27) 21 556 6109  
Customer Service: (+27) 21 556 6109

30/11/2011

