



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 (synthetic). 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
Sawing, reaming

| | |
|-----------|----------------------------------|
| 5 to 7 % | Refractometer |
| 7 to 10 % | Acid split method |
| | Acidimetric titration up to pH 4 |
| | Acidimetric titration up to pH 7 |

Factors for concentration determination:

| |
|------|
| 1.0 |
| 1.3 |
| 0.80 |
| 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.

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PHYSICAL CHARACTERISTICS

| | |
|---|-----------|
| Appearance | Brown |
| Density @ 20 °C DIN 51 757 | 0.935 |
| p/H value, 5% (after 24hrs in use) DIN 51 396 | 9.6 – 9.9 |
| Corrosion protection test, 3% DIN 51 360/2 | Grade 0 |

GENERAL ADVICE

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

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