PRODUCT DATA SHEET

SERVOSYNTH CUT 16

IndianOil SERVO®

DESCRIPTION

Servosynth cut 16 is Bio-stable Semi-synthetic Cutting fluid for cutting and grinding application of cast Iron(CI), mild steel(MS), alloy steel etc.

It is a high performance water miscible metal working fluid. It does not contain any chlorine and is free from nitrosoamine, nitrite, etc. It has excellent swarf removal and flushing characteristics.

APPLICATION

Servosynth cut 16 is recommended for grinding and cutting operations on ferrous metals in water-mix form at concentration level of 2-4 & 3 - 5 (% v/v) respectively.

It is especially recommended machining applications of CI, MS and alloy steel.

PERFORMANCE BENEFITS

- High bio-stability and long sump life
- Excellent control over bacterial growth and obnoxious odour even during shutdown
- Superior cooling characteristics and hard water tolerance
- Excellent surface finish and enhances tool life
- Longer service life to grinding wheels in between re-dressings
- Translucent emulsion providing better visibility of tool and work piece throughout the service
- Excellent antirust properties
- Operator friendliness when used in proper dilution range

PRODUCT PERFORMANCE

- Servosynth cut 16 has shown excellent performance in applications such as grinding, milling, turning etc. on steel components in two automotive OEM plants.

CHARACTERISTICS

	Servosynth cut 16
Density at 29.5°C, gm/ml	0.986
K.V. of neat oil @ 40°C, cSt	190
pH of 2.5% emulsion in Distilled Water	8.5 – 9.0
Emulsion test @ 20:1 & 50:1 dilution in 400 ppm hardness – oil / cream, ml	NIL / 0.1

HEALTH & SAFETY

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.