Veedol

POWERING PERFORMANCE



VEEDOL **SOLUCUT FE PRO**

LOW-OIL SEMI SYNTHETIC METALWORKING FLUID

BUILT IN LUBRICITY ENHANCER

Performance Features & Benefits

Stable Emulsion
Readily forms a pink colored translucent stable emulsion in a variety of water qualities, provide clear visibility of tool and work piece.

Low mineral oil content
Approx. 19% mineral oil content gives clean machining & better work piece visibility.

Excellent Emulsion Stability
Tolerant to difficult diluent water.

Excellent Field Performance
It offers optimum performance in good quality water having hardness between 50 – 400 ppm.

Ideal Choice for
High and low-pressure CNC systems perform excellent for light to medium duty machining and grinding of ferrous alloys.

Designed for Low foaming
Advanced defoamer additive make it ideal for lower foaming tendency even in soft water.

Materials

- Cast Iron & SG Iron
- Most ferrous alloys from low, medium carbon steel to forged steel
- Oil-resistant plastics and other non-ferrous materials such as free cutting Aluminium

Please follow equipment manufacturer's recommendations for performance level and viscosity grade.

Typical Recommended Concentrations

General machining	5 - 7%
Thread cutting and forming	6 - 8%
Deep hole drilling and boring	8 - 10%
Reaming	8 - 10%
Grinding	3 – 5

The concentrations vary depending on the type of machining operations.

Product Mixing

TWOCIL advises the use of automated mixing systems. If mixing manually, always add the concentrate to the water with maximum agitation. If water is added to the concentrate, the emulsions may prove unstable. Avoid mixing with very cold concentrate or water.

Product Management

The working concentrations should be carefully controlled and monitored daily as higher & lower working concentrations will have performance, health and safety implications.



Typical Properties

Appearance	Pink Dyed Liquid
Stability (0°C/Ambient/50°C)	Passes
Emulsion Type @ 5% in tap water	Pinkish Translucent
Cast Iron Corrosion IP 287, 5.0 % in 200 ppm	Passes
pH @ 5% in deionized water	9.5
Defoam in 50 ppm water	Nil in 60 seconds
Refractometer Factor	1.50
Note: Refractometer reading should be between 4 to 5 markings	

The above typical properties are those obtained with normal production tolerance and do not constitute as specification. Variations that do not affect product performance are to be expected during normal manufacturing processes and at different blending locations. The information contained herein is subject to change without notice.

Veedol

POWERING PERFORMANCE



VEEDOL **SOLUCUT FE PRO**

LOW-OIL SEMI SYNTHETIC METALWORKING FLUID

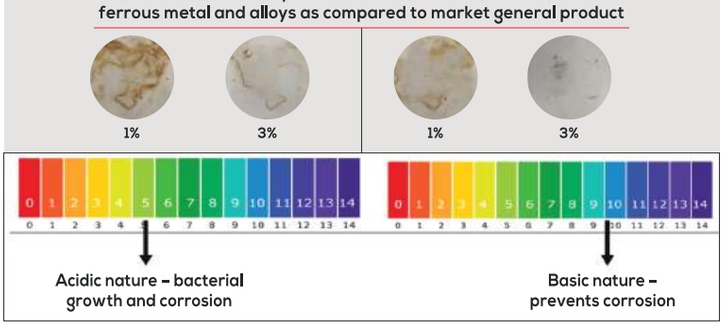
BUILT IN LUBRICITY ENHANCER

Veedol Solucut FE Pro – Key Differentiators

Market General Soluble Cutting Oil	Veedol Solucut Fe Pro

CORROSION RESISTANCE PERFORMANCE

Veedol Solucut FE Pro provides excellent corrosion resistance on ferrous metal and alloys as compared to market general product



FLUSHING OF CHIPS



High oil content leads to heavy chip deposition



Low oil content prevents chip deposition

FOAMING



Heavy Foaming



No Foaming

Advanced Defoamer make it ideal for low or no foaming

FLUID MAINTENANCE

Poor or incorrect emulsion preparation may lead to instability and could considerably shorten the life of the emulsion. Prior to making any fresh emulsion, it is highly recommended to use compatible system cleaner for purging the machine tool coolant system.

STORAGE

All packages should be stored under cover. It should not be exposed to direct sunlight, intense cold and extreme temperature fluctuations. Where outside storage is unavoidable, drums should be laid horizontally or properly covered to avoid the possible ingress of water and damage to drum markings.

HEALTH, SAFETY AND ENVIRONMENT

The information on this product is available in the 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. If handled correctly, there are no special precautions suggested.

VEEDOL CORPORATION LIMITED

Corporate Office: 902, Godrej TWO, Vikhroli, Eastern Express Highway, Mumbai-400 079.
Regd. Office: Yule house, 8, Dr. Rajendra Prasad Sarani, Kolkata-700 001, West Bengal, India.
www.veedolindia.com