Veedol

POWERING PERFORMANCE



VEEDOL **SOLUCUT MULTI METAL SYNTH**

SYNTHETIC TYPE CARBIDE GRINDING FLUID

BUILT IN LUBRICITY ENHANCER

Product Description

Veedol Solucut Multi Metal Synth is a low foaming, synthetic grinding fluid with long service life. It is a specialized product designed to minimize the uptake of cobalt from high cobalt alloys. Veedol Solucut Multi Metal Synth gives clear solutions which provides excellent workpiece visibility.

Performance Features & Benefits

Designed to minimize the uptake of cobalt from high cobalt alloys.

Designed for low foaming.

Excellent Field Performance
Good compatibility with waters of 50 – 400 ppm (Calcium carbonate) hardness.

Ideal Choice for
High and low-pressure CNC systems.

Application

It is recommended for grinding applications of,
• Hi Cobalt alloys • Tungsten carbides

Typical Recommended Concentrations

- **Grinding 5 - 8%**
- **It is essential that the minimum concentration is closely observed**
- **Below 5% the inhibitory effect of the additives is reduced and dissolved cobalt levels may increase**

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

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	Amber Liquid
Stability (0°C/Ambient/50°C)	Passes
Emulsion Type @ 5% in tap water	Clear Pale Amber Solution
Cast Iron Corrosion IP 287, 5.0 % in 200 ppm	Passes
pH @ 5% in deionized water	9.1
Defoam in 50 ppm water	Nil in 30 seconds
Refractometer Factor	1.20

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.

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Veedol Solucut Multi Metal Synth – Key Differentiators

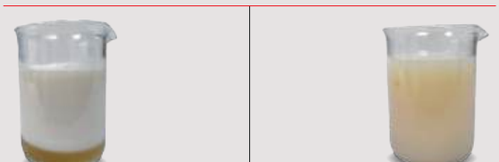
Market General Synthetic Grade	Veedol Solucut Multi Metal Synth

CORROSION RESISTANCE PERFORMANCE

Veedol Solucut Multi Metal Synth provides excellent corrosion resistance on ferrous metal and alloys as compared to market general product



COBALT LEACHING



Cobalt Leaching Layer Formed

Tight Emulsion

Veedol Multi Metal Synth is designed to minimize uptake of cobalt From high cobalt alloys to give a tight emulsion

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