

PERTAMINA MAXCOOL WS01

**HIGH PERFORMANCE
WATER SOLUBLE
METAL REMOVAL FLUID
EXCELLENT COOLING
AND CORROSION
PROTECTION**



Characteristics	Test Method	MAXCOOL WS 01
Emulsion Appearance	Visual	Milky White
Density at 15 °C, kg/l	ASTM D - 4052	0.8925
Kinematic Viscosity at 40 °C, cSt	ASTM D - 445	42.70
at 100 °C, cSt	ASTM D - 445	6.47
Viscosity Index	ASTM D - 2270	101
Concentrate Colour	ASTM D - 1500	L 5.5
Flash Point, °C	ASTM D - 92	228
Pour Point, °C	ASTM D - 5950	-12
pH at 5% (distilled water)	pH Meter	9.05

MAXCOOL WS 01 is a high performance water soluble metal removal fluid which formulated with paraffinic base oil. MAXCOOL WS 01 easily emulsifies, produce low foaming product and form stable emulsion in wide range water hardness.

MAXCOOL WS 01 provides excellent cooling and lubricity. MAXCOOL WS 01 is used to reduce friction and heat generated with the machining and fabrication operation of metal products and to lubricate during metal-working operations.

MAXCOOL WS 01 is an eco-friendly product free from nitrite, nonyl-phenol, chlorine, boron and heavy metals. MAXCOOL WS 01 can be diluted to achieve various job requirements in coolant system to increasing machinery efficiency, performance and life.

SUPERIORITIES

- Good hard water stability.
- Excellent emulsion stability.
- Excellent foam control under soft water condition.
- Reduce friction between tool and work piece.
- Extend tool life, reducing tool sharpening and down-time.
- Provides excellent protection to the surfaces of the metal being processed.
- Provides excellent cooling, lubricity, and corrosion protection.

APPLICATIONS

MAXCOOL WS 01 is recommended for various machining operations such as cutting, drilling, milling, reaming, tapping, etc. MAXCOOL WS 01 can be used for both ferrous and non-ferrous metals.

MIXING RECOMMENDATION

- General machining (low to medium machinability material) : 5% volume
- Heavy duty : 5 - 10% volume