



UNINET 413

UNINET 413 is an economical neat cutting oil blended with chlorinated and sulfurized EP additives for machining applications of free cutting, stainless and alloyed steel. It is an active sulfurized product and is not suitable for non-ferrous metals like brass, copper, bronze, aluminum and magnesium alloys.

UNINET 413 is formulated with highly refined mineral base stock for medium to heavy duty machining processes such as deep hole drilling, threading and milling in high-speed multi-spindle auto-lathe machining centers.

Compliant with RoHS requirements, UNINET 413 is light in color so as to enable the user to observe the highly precision machining operation expected of this product.

APPLICATIONS / BENEFITS

- Increased tool life between regrinds.
- Improved metal finishing.
- Reduced chip welding in heavy-duty operation.
- Better workplace visibility.

TYPICAL CHARACTERISTICS

| TEST DESCRIPTION | METHOD | TYPICAL RESULTS |
|---------------------------------|-------------|-----------------|
| Specific Gravity @ 15 °C | ASTM D 4052 | 0.8777 |
| Flash Point, °C | ASTM D 92 | 210 |
| Kinematic Viscosity @40°C (cSt) | ASTM D 445 | 32 |
| Color | ASTM D 1500 | <1.0 |
| Copper Corrosion 3 h / 100°C | ASTM D 130 | 4a |
| Special Additives, % wt | | 15 |