



## UNICUT METALWORKING 300 SERIES

**Product Information**      **Unicut Metalworking 300 Series** are chlorine free mineral oils, formulated with sulfurized fatty oils, rust inhibitors and the latest technology in extreme pressure agents.

**Applications**      The **Unicut Metalworking 300 Series** are a combination of active and inactive sulfur compounds and form a positive synergism with the extreme pressure additive to provide a wide range of performance in the machining of carbon and alloy steels. They are recommended for tapping, threading, drilling, broaching and other machining operations.

**Benefits**      The **Unicut Metalworking 300 Series** are general purpose, cost effective metalworking fluids that provide good heat dissipation and anti-weld protection. They provide long tool life, superior surface finish, and high machining efficiency.

The **300 Series** is formulated without chlorine to address environmental concerns associated with the use of chlorinated compounds.

- Cost effective
- Superior surface finish
- Long tool life
- Non-foaming
- Environmentally formulated
- Good heat dissipation
- Excellent anti-weld protection
- Minimized misting

### Specifications

| Typical Property                        | ASTM Test Method | Typical Results |               |
|---|------------------|-----------------|---------------|
|   |                  | 305             | 305 H         |
| API Gravity @ 60°F                      | D 287            | 28.3            | 25.3          |
| Viscosity<br>@ 40°, cSt<br>@ 100°F, SUS | D 445            | 34.0<br>175.0   | 85.0<br>394.0 |
| Flash F COC                             | D 92             | 415°            | 435°          |
| Sulfur Total %                          |                  | 2.30            | 2.30          |
| Sulfur Active %                         | D 1661           | 1.40            | 1.40          |
| Fatty Oil %                             |                  | 7.00            | 7.00          |
| UO Item Number                          |                  | 16-28-06        | 16-28-02      |

Refer to Universal Oil's Material Safety Data Sheet (MSDS) 12-28-01 for additional information.