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Product Information

## UNICUT METALWORKING 100 SERIES

**Product Information**      **Unicut Metalworking 100 Series** are compounded, chlorine free, and inactive sulfurized fatty oils.

**Applications**      The **Unicut Metalworking 100 Series** are light duty compounded metalworking fluids. They are designed for machining bronze, brass, aluminum, and ferrous metals with machineability ratings above 90%. **Unicut Metalworking 100 and 109** contain inactive sulfur and should not cause a copper corrosive condition working with yellow metals. **Unicut Metalworking 109 and 125** may be used in honing applications.

**Benefits**      The **Unicut Metalworking 100 Series** low viscosities provide excellent heat dissipation.

- Long tool life
- Environmentally friendly
- Excellent surface finish
- Non-foaming

**Specifications**

| Typical Property   | ASTM Test Method | Typical Results |          |          |
|--------------------|------------------|-----------------|----------|----------|
|                    |                  | 100             | 109      | 125      |
| API Gravity @ 60°F | D287             | 32.1            | 32.1     | 38.7     |
| Viscosity          |                  |                 |          |          |
| @ 100°F, cSt       | D445             | 25.0            | 15.0     | 5.34     |
| @ 100°F, SUS       | D2161            | 119.4           | 77.4     | 43.5     |
| Flash F COC Min.   | D92              | 370°F           | 270°F    | 270°F    |
| Sulfur             |                  | Present         | Present  | Nil      |
| Copper Corrosion   | D130             | 1B              | 1B       | 1A       |
| Fatty Oil %        |                  | Present         | Present  | Present  |
| UO Item Number     |                  | 16-28-04        | 16-28-05 | 16-28-23 |

Refer to Universal Oil's Material Safety Data Sheet (MSDS) **16-28-01** for additional information.

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