

## CutCool 217 Grinding Coolant Specification Sheet

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### Product Overview

Cut Cool 217 is a high-performance, universal machine tool coolant designed for use with a variety of metals. It effortlessly mixes with water of varying hardness levels without the need for expensive mixing equipment. Its naturally bio-stable formulation ensures long fluid life, and regular skimming or vacuuming of tramp oils further enhances its longevity. As a non-hazardous coolant, it minimizes environmental impact while offering superior corrosion protection, making it a dependable choice for all metalworking applications.

### Key Benefits

- **Superior Cooling & Lubrication** – Reduces heat generation and friction, preventing thermal damage to workpieces.
- **Enhanced Surface Finish** – Improves part quality by minimizing friction and preventing heat-induced imperfections.
- **Corrosion Protection** – Effectively prevents rust and oxidation on both grinding machines and workpieces.
- **Environmentally Friendly** – Free from hazardous additives such as sulfur, chlorine, and silicone, making it safer for operators and disposal.
- **Versatile Compatibility** – Suitable for carbide, hardened steels, and a wide range of metals without corrosion concerns.
- **Long Fluid Life** – Naturally bio-stable with extended coolant life when tramp oils are regularly skimmed or vacuumed.
- **Easy Mixing** – Readily dissolves in water with no need for expensive mixing equipment.

## Application & Usage

- Works efficiently in both individual grinding machines and central coolant systems.
- Suitable for a broad range of materials, including carbide and hardened steels.
- Mixing Ratios:
  - **Heavy-duty, hard-to-machine alloys:** 10:1
  - **Medium to light-duty grinding:** 20:1

## Technical Specifications

- **Color:** Available in blue or undyed
- **Gravity, API:** 20.0
- **Specific Gravity:** 0.93
- **Viscosity:**
  - 68.0 cSt @ 40°C
  - 320 SUS @ 100°F
- **Flash Point:** 335°F (Min.)
- **Pour Point:** -20°F (Max.)
- **pH Level:**
  - 9.4 (at 10:1 dilution)
- **Sulfur Content:** 0.0%
- **Chlorine Content:** 0.0%
- **Silicone Content:** 0.0%

### Refractometer Readings:

- 10% Solution: 10.0
- 5% Solution: 5.0

### Ordering Information

Available packaging options:

- **5-gallon pails**
- **55-gallon drums**
- **275-gallon totes**

### Why Choose CutCool 217?

For manufacturers and machine shops requiring universal machine tool coolant, CutCool 217 provides an advanced solution with superior cooling, lubrication, and corrosion protection. Its extended fluid life, bio-stability, and easy mixing capabilities make it a reliable and cost-effective choice for various grinding and machining operations.

For more information or to place an order, contact us at:

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