

GrindClean GK05LF Grinding Coolant Specification Sheet

Product Overview

GrindClean GK05LF is a premium, low-foaming synthetic grinding coolant engineered for high-performance grinding applications which includes the grinding of carbide. Designed to enhance grinding efficiency and extend wheel life, it offers superior cooling, lubrication, and rust protection while carefully balanced additives preventing cobalt leaching from carbide tooling. It is perfect for use with diamond and CBN grinding wheels and is compatible with all grinding machines and central coolant systems.

Key Benefits

- **Low-Foaming Formula** – Ensures stable coolant flow and smooth operation in high-pressure systems.
- **Enhanced Cooling & Lubrication** – Reduces heat buildup, minimizing thermal damage and improving workpiece finish.
- **Corrosion Protection** – Excellent rust and oxidation prevention on machine components and workpieces.
- **Cobalt Leaching Prevention** – Specially formulated to prevent the leaching of cobalt from carbide-tipped saw blades, taps, end mills, and drills, reducing health risks and disposal concerns.
- **Eco-Friendly Composition** – Free from hazardous additives such as sulfur, chlorine, and mineral oils.
- **Excellent Storage & Fluid Life** – Provides a pleasant smell and ease of mixing, ensuring long-lasting performance.
- **Fast Swarf Settling** – Keeps grinding wheels clean and open, optimizing performance.

Application & Usage

- Works efficiently in both standard grinding machines and centrifuge systems.
- Recommended dilution ratio: 5-10%, depending on application needs and local water quality.

Technical Specifications

- **Color:** Available in distinctive yellow-green or undyed transparent mixtures
- **Viscosity:**
 - 5.0 cSt @ 40°C
 - 42.0 SUS @ 100°F
- **Flash Point:** None
- **Pour Point:** 28°F (Max.)
- **pH Level:**
 - 10.0 (at 10:1 dilution)
- **Sulfur Content:** 0.0%
- **Chlorine Content:** 0.0%
- **Mineral Oil Content:** 0.0%

Refractometer Readings:

- 10% Solution: 2.3
- 5% Solution: 1.2

Ordering Information

Available packaging options:

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

Why Choose GrindClean GK05LF?

For manufacturers and machine shops seeking a high-performance grinding coolant suitable for grinding Carbide, this synthetic formulation provides unmatched cooling, lubrication, and rust protection. It minimizes downtime, extends wheel longevity, and enhances grinding results, making it the optimal choice for high-precision grinding operations.

Contact Information:

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

- **Toll-Free:** 828-759-5898
- **Email:** sales@eaglesuperabrasives.com