

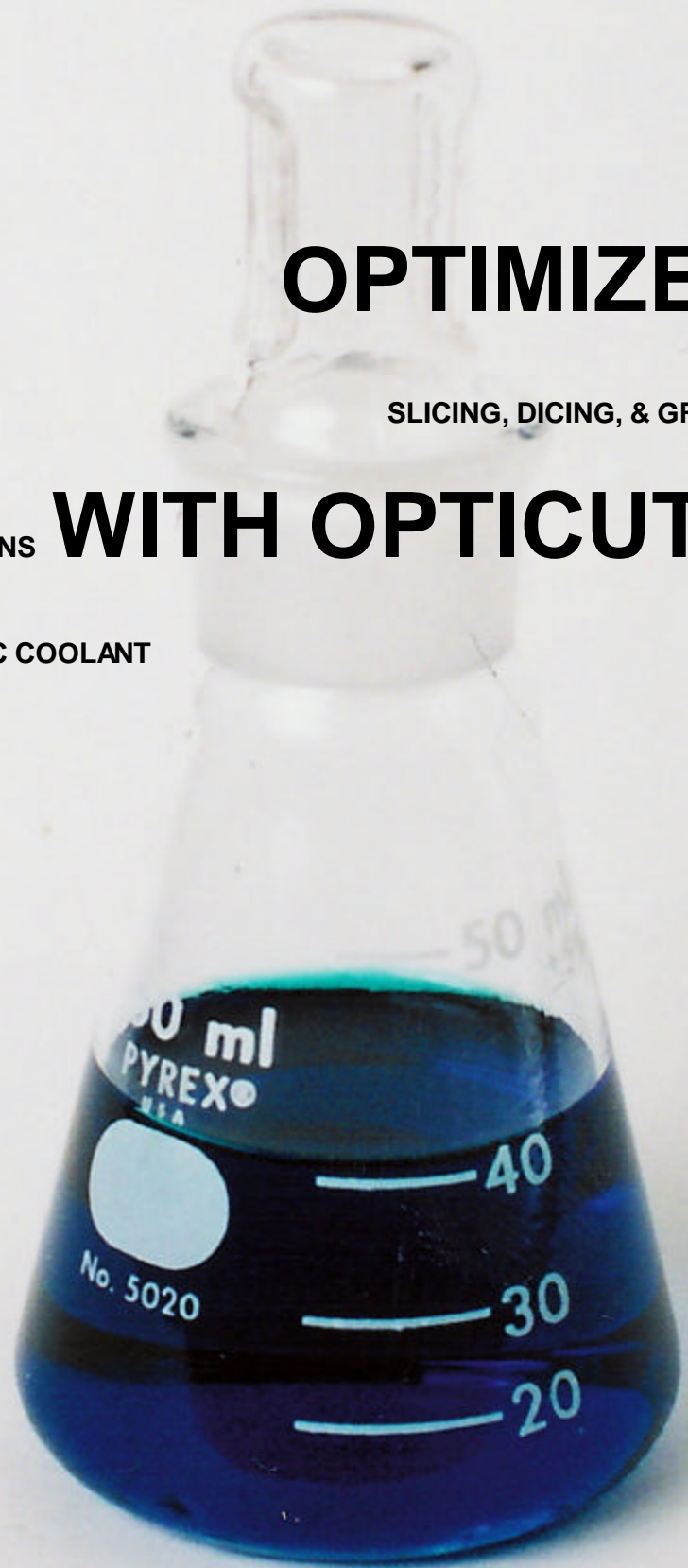
Opticut GPM

**OPTIMIZE** YOUR

SLICING, DICING, & GRINDING

OPERATIONS **WITH OPTICUT** GPM

SYNTHETIC COOLANT



**Lighthouse Lubricants**

PO BOX 12494, OVERLAND PARK, KS 66282 USA

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# Opticut GPM

PRODUCT DATA SHEET

## DESCRIPTION

Opticut GPM is a high performance, fully synthetic, coolant. It contains no nitrites, phosphates, chromates, glycols, phenols, heavy metals, or petroleum oils. It is designed to extend tool life and improve surface finish in slicing, dicing, & grinding operations.

## APPLICATION

Recommended for high-speed machining operations requiring good cooling and lubricity. A 20:1 dilution should be used for general machining. A 10:1 dilution is recommended for slower speeds and heavy cuts. Particularly well suited for machining materials used in today's demanding electronics industries including a broad range of precision ceramics, optics, silicon, and quartz crystals.

## BENEFITS

- Non irritating to skin and eyes.
- Enhances surface finish.
- Mixes easily with hard or soft water.
- Pleasantly scented; does not produce harsh vapors.
- Effective in preventing odor-causing microbiological growths.
- Does not leave insoluble residue behind when evaporated.
- Forms transparent blue solution for work piece visibility.
- Excellent corrosion inhibition of ferrous and non-ferrous metals even at lower than the recommended dilutions.
- Wetting agents and increased lubricity allow for high speed operation and high production yields.
- Low foaming
- Reduces chipping

## TYPICAL PROPERTIES

Appearance	Blue translucent liquid
Viscosity, cSt at 25°C (77°F)	3.46
Specific Gravity at 25°C (77°F)	1.03
Density at 25°C (77°F), lb/gal	8.58
Flash Point	None
pH, 20:1 dilution	9.4

## FORMULA

Opticut GPM's proprietary formulation is designed to address:

1. Operator Sensitivity
2. Bio Resistance
3. Corrosion Protection
4. Hard Water Stability
5. Foam
6. Mixability
7. Residue
8. Oxidative Stability
9. Emulsion Stability
10. Tramp Oil Rejection



*Sharpening your competitive advant-edge*

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