

## JICHUAN SYNCUT 355

### PRODUCT DESCRIPTION:

JICHUAN SYNCUT 355 is a fully synthetic cutting and grinding fluid concentrate formulated with new additive technology to provide maximum versatility in machining operations on both ferrous and non-ferrous metals. It combines exceptional extreme pressure and lubricity characteristics, providing outstanding tool life and surface finish on difficult to machine alloys, in a low pH formulation to minimize corrosion or "white rust" on all aluminum alloys. JICHUAN SYNCUT 355 contains no sulfur compounds and is "halogen-free," making it the ideal product for cutting and grinding of titanium where a sulfur and halogen-free coolant is specified. It utilizes new phosphate ester technology enabling it to out-perform other aqueous coolants in heavy duty operations on tough alloys.

JICHUAN SYNCUT 355 provides exceptional anti-rust protection, passing the ASTM D665A Rust Test at dilutions as lean as 100:1! It rejects tramp oil readily for easy skimming, and has excellent bioresistance for extremely long term service.

### TYPICAL USES:

JICHUAN SYNCUT 355 may be used for grinding and light duty machining of both ferrous and non-ferrous metals at the following ratios:

Surface & O.D. Grinding 50:1

Centerless Grinding 30:1

Light Duty Machining 30:1

Moderate Duty Machining 20:1

Severe Duty,

Low A.I.S.I. materials 15:1

Optimum dilution ratios will depend on the actual operation, material, tooling, speeds and feeds, as well as surface finish requirements.

### FEATURES:

- Multi-metal, multi-machine application
- Outstanding rust and corrosion protection
- Excellent tramp rejection characteristics
- Mild pH for operator "friendliness"
- Pleasant odor
- Halogen-free and sulfur-free formulation

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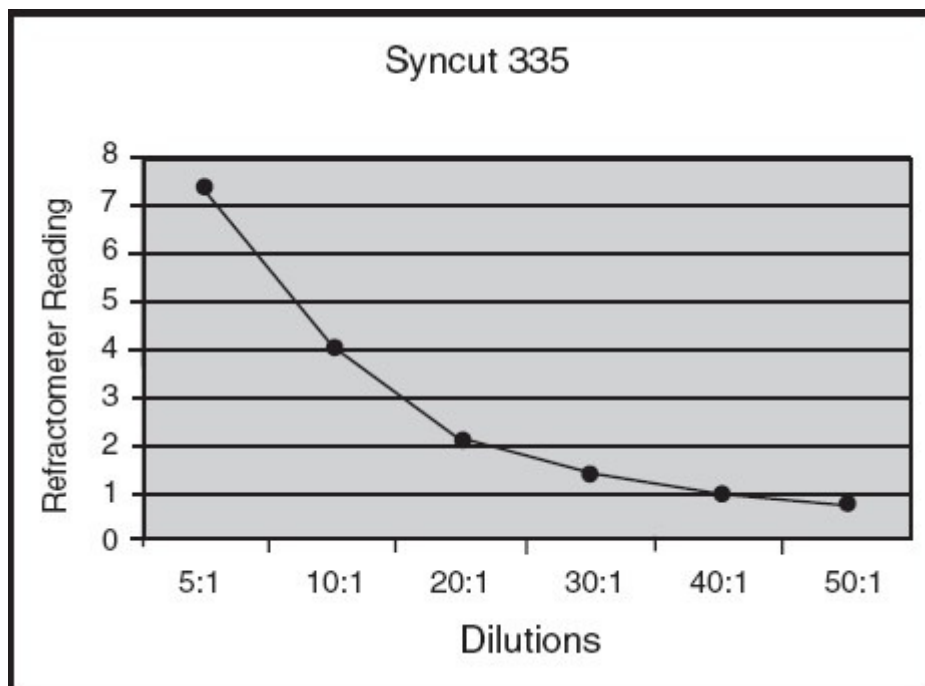
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- Zero foam characteristics even at 15:1 dilution
- Bioresistance for long term service
- Oil-Free for maximum biodegradability
- Transparent for easy viewing of workpiece
- Dyed blue



## TYPICAL INSPECTIONS

Gravity, °API	2.8
pH@10%Solution	8.48
Appearance	Bright/Clear
Color	Blue
Odor	Pleasant/Mild
Rust Test(ASTM D665A)	Pass(100:1)
Demulsibility(ASTM D1401)	40-30-10-(30)
Foam Test	Pass
Solution Stability	Excellent
pH,5% IN DI Water	9.5

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY