



SYNCUT 355

Product Description: SYNCUT 355 is a fully synthetic cutting 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. SYNCUT 355 contains no sulfur or 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.

SYNCUT 335 provides exceptional anti-rust protection, passing the ASTM D665A Rust Test as dilutions as lean as 100:1. It rejects tramp oil readily for easy skimming, and has excellent bio-resistance for extremely long term service.

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.
- Zero foam characteristics even at 15:1 dilution.
- Bio-resistance for long term service.
- Oil free maximum biodegradability.
- Transparent for easy viewing of work piece.
- Dyed Blue.

Typical Uses:

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

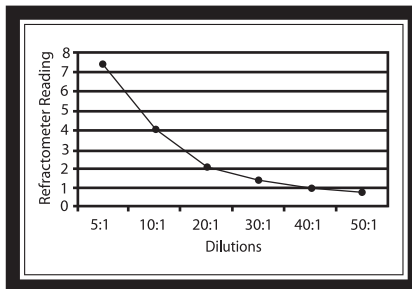
Typical Specifications:

PARAMETERS

TYPICAL RESULTS

SYNCUT 355

GRAVITY, ° API	2.8
pH @ 10% Solution	8.48
Appearance	Bright/Clear
Color	Blue
Order	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