

SCILIA 15 S



METALWORKING



TOTAL

Chlorine-free Cutting Oil for Moderate Machining and Machine Tool Lubrication.

APPLICATIONS

- **SCILIA 15 S** is a low odor, non-staining, cutting oil dedicated to both ferrous and non-ferrous metals and to the lubrication of various machine parts: bearings, gears, and slideways.
- **SCILIA 15 S** is widely used on cutting operations such as screw cutting on copper alloys, aluminum, low carbon steels, medium, hard, and stainless steels, bronze, tin, nickel, high nickel steel, and heat resistant alloys. It is recommended for all general machining operations especially for deep hole or gun drilling where its low viscosity enables it to penetrate to the cutting edges of the tool and flush out metal chips.
- **SCILIA 15 S** can be utilized as a dual purpose oil in low pressure lube systems where cross contamination of cutting oil and lube oil is a problem.

ADVANTAGES

- Excellent anti-wear and extreme pressure performance.
- Promotes excellent surface finish.
- Excellent lubricity properties--Increases the tool life on a large scale of cutting parameters maintaining an additive layer on the chip / workpiece / tool surface.
- Excellent metal wetting ability.
- Non-staining.
- Very good oxidation resistance.
- Excellent compatibility with seals and paints.

TYPICAL CHARACTERISTICS	SCILIA 15 S
Appearance	Light Pale Liquid
Color, ASTM D-1500	0.5
Viscosity at 40°C, cSt	13.0 - 17.0
Density @ 60 °F, lbs./gal.	7.45
Specific Gravity @ 60/60 °F	0.894
Flash Point, COC, °F	310
Copper Strip Corrosion	1A-1B
Lubricity Content, %wt.	5.0
Sulfur Content, %wt.	1.0
Chlorine Content, %wt.	Nil

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