

CT 116 K

SEMI-SYNTHETIC METALWORKING FLUID

▷ PRODUCT DESCRIPTION

CT 116 K represents a new generation of semi-synthetic metalworking fluids based on biologically resistant components. It offers the ease of maintenance found in synthetic fluids and the lubricity and economy found in soluble oils, with exceptional corrosion and rancidity control.

CT 116K is an ideal product for individual machine sump and central system applications due to its excellent rancidity control, broad use concentration range 4-10, and performance characteristics.

CT 116K does not contain diethanolamine, nitrites, or phenols. It can be recycled for reuse or can be easily treated for disposal.

▷ FEATURED BENEFITS

- Superior hard water stability resulting in a stable micro-emulsion for better wetting, lubricity, and cleaner machine surfaces
- Reduced Consumption: A stable submicron emulsion particle size reduces usage from carry out up to 20%
- Additive Independent: No need for tank side pH buffers, emulsifiers, or costly and hazardous biocides
- Low Oil Content; CT 116K has 10% oil content thereby reducing mist and oily residues on machine surfaces and windows
- Superior rust protection
- Mild odor
- Excellent product for centerless grinding
- Product of choice for machining cast iron

▷ APPROVALS

- Compliant for California SCAQMD Rule 1144
- Ford TOX 171646 Approved
- GM C-26166 Approved

APPLICATION



COMPATIBLE METALS

Cast Iron
Carbon Steel
Tool Steel
Stainless Steel
Light-Duty Aluminum
Bronze
Copper
Brass

MACHINING CAPABILITIES

Milling
Turning
Sawing
Drilling
Reaming
Tapping
OD/ID/Centerless Grinding
Roll Forming
Medium-Duty Stamping & Drawing

HIGH PRESSURE COOLANT CAPABILITY

Yes

ALL METAL SAFE

Yes

REFRACT INDEX

1.9





TYPICAL PROPERTIES

Fluid Type	Micro-emulsion semi-synthetic
Appearance	Amber liquid
Odor	Mild
Specific Gravity, 60°F (15.6°C)	1.041
Weight, 60°F (15.6°C)	8.72 lbs/gal.
pH (5% dilution)	9.20
VOC, ASTM E 1868	67.2 grams/liter

PRODUCT APPLICATION / USAGE

CT 116 K is recommended for general purpose machining and grinding of ferrous alloys, and cast iron.

Operation	Aluminum Alloys	Copper and Brass
Milling, Drilling, Turning	6 – 7%	6 – 7%
Reaming, Light Duty Broaching, Tapping, Sawing	6 – 7%	6 – 7%
Grinding: I.D., O.D.	6 – 7%	6 – 7%

MIXING DATA

CT 116 K metalworking fluid is to be mixed with water for use. Always add product concentrate to the water, not water to product concentrate. Product concentration can easily be monitored by refractometer.

Concentration	10.0%	6.0%	5.0%	4.0%	3.0%
Refractometer Reading	6.0	3.6	3.0	2.4	1.8

PRODUCT CODE

2301700000

HEALTH AND SAFETY

For health and safety guidance, please refer to the Chemtool SDS (Safety Data Sheets).