



TECHNICAL DATA SHEET

WS-1000 CF / POWERCOOL CF

Chlorine free water-soluble oil metalworking fluid concentrate

DESCRIPTION WS-1000 CF is a chlorine free water-soluble oil cutting & grinding fluid for moderate to heavy-duty general machining with ferrous and nonferrous metals.

APPLICATIONS Moderate to heavy-duty machining and grinding

MATERIALS COMPATIBILITY Recommended for ferrous/nonferrous metals, aluminum, titanium, brass, bronze, and copper.

PHYSICAL PROPERTIES	<i>Concentrate Color</i>	Golden yellow to light brown
	<i>Dilute Color</i>	Milky white
	<i>Odor</i>	Mild, characteristic
	<i>pH at 10%</i>	9.4
	<i>Specific Gravity</i>	0.95
	<i>Density</i>	7.9 lbs/gal (950 kg/m ³)
	<i>Flash Point</i>	> 200 °F (93 °C)
	<i>Boiling Point</i>	> 212 °F (100 °C)
	<i>Chlorine</i>	0.0%
	<i>Mineral Oil</i>	58%
	<i>Refractometer Index (% Brix)</i>	10:1 (10%) = 9.5
		20:1 (5%) = 4.8
		30:1 (3%) = 3.2

DILUTION RATIOS These dilution ratios are meant to be used only as general guidelines and are not considered exact specifications. Please contact your Rustlick Sales Representative for an exact application concentration recommendation.

<i>Light-duty machining</i>	30:1 (3%)
<i>Moderate-duty machining</i>	20:1 (5%)
<i>Heavy-duty machining</i>	10:1 (10%)

AVAILABLE SIZES	<i>5 gallon; net weight 41 lbs (18.6 kg)</i>	81105
	<i>55 gallons; net weight 468 lbs (212.3 kg)</i>	81155

HEALTH AND SAFETY Use proper safety equipment. Avoid contact with skin, eyes, and clothes. Avoid inhaling vapor or mist. Keep away from extreme heat. Keep container closed when not in use. For complete Health and Safety information refer to product Material Safety Data Sheet (MSDS). Product MSDS can be downloaded from www.rocolnorthamerica.com/msds.htm

For more information contact 800-452-5823 x2. or visit www.rocolnorthamerica.com

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